Notes Ck'd by	Survey of	F. B. Pg.
Map No.	W. O. Tape No. St'd. °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

BOOK INDEX 1209

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P. W. Dept. file o. k.

Microfilmed Dec '87

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Checked	Notes DREIER Date NOV '51
Date	Indexed 12-26-51

F. B. [illegible] PG. 5

LINE #8

L.A. CO. PRECISE LEVEL NET

JOB #4923

H.F. NAUMANN
G.F. DREIER
E. LANDA
M. SONNENSCHEIN
S. SHINODA
T. [illegible]

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76F309S 247 2-51

F. B. 1209 PG. 6

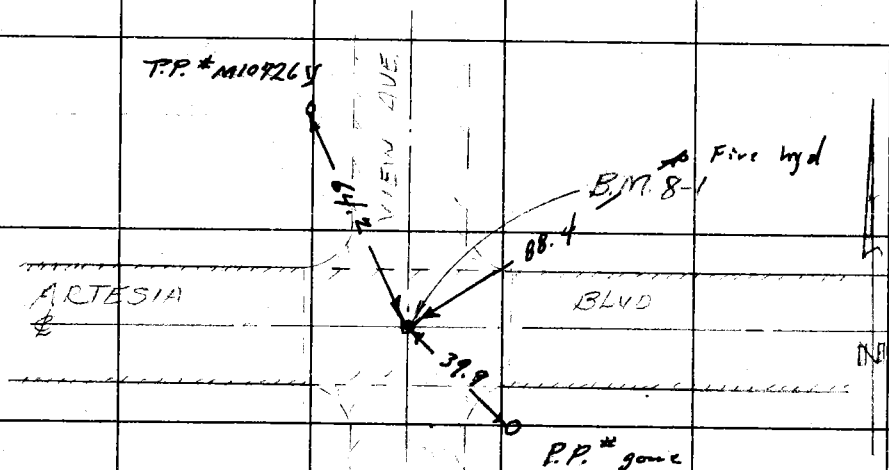
B.M. 8-1

VALLEY VIEW AVE. AND ARTESIA BLVD., ℄ INTERSECTION, A LEAD AND TACK SET IN THE CONCRETE PAVEMENT 17 INCHES BELOW THE SURFACE OF THE ROCK AND OIL PAVEMENT, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER HAVING A "COUNTY SURVEYOR MONUMENT"

NOTE:- U.S. COAST & GEODETIC SURVEY BENCH MARK N 51 1926 FOUND DESTROYED AT THIS INTERSECTION

L.A. Co. 1952 Adj. Elev. = 33.995

The mark is
64.2 ft S.E of Tele P. No M10726 on N.W. Cor.
88.4 " S.W. " Fire hyd. on N.E. Cor
39.9 " NW " P.P. No gone on S.E. Cor.



8-6-68, G.E.P.
NOT RECOVERED
DUG 3½ FT. DEEP

FEB 30 1967

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Map No.	W. O. 2424 Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date Nov 51
Date	Indexed

F.B. 1206 PG. 7

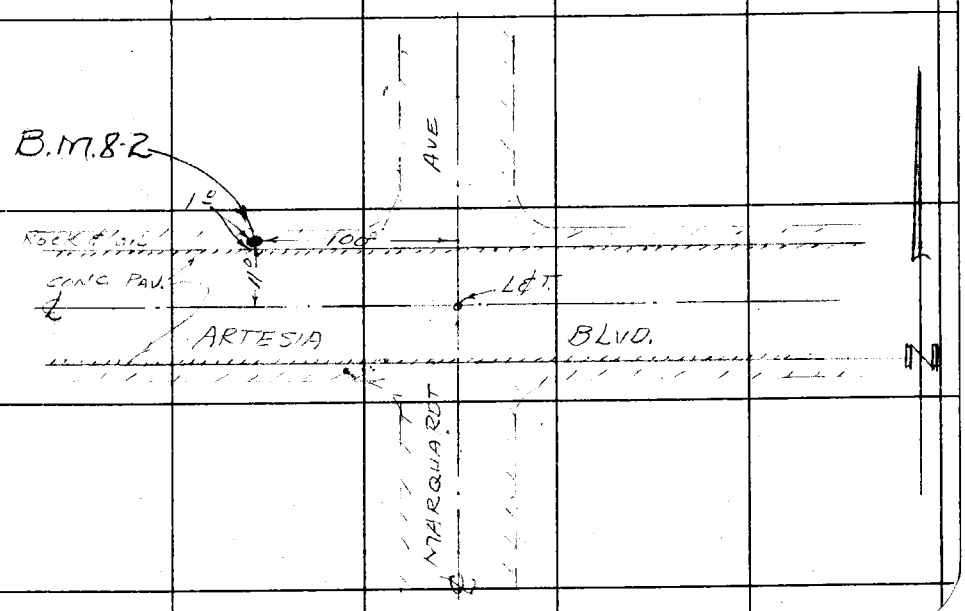
F.E.B. 30 June 63

B.M 8-2

ARTESIA BLVD AND MARQUARDT AVE

A ~~STANDARD~~ L.A. COUNTY SURVEYOR ~~MONUMENT~~ 2½" Button Brass Cap MARKED "BM 8-2 1951 RE 63" SET IN CONCRETE 10 INCHES BELOW THE SURFACE, 11 FT NORTH OF TH ℄ OF ARTESIA BLVD AND 100 FT WEST OF THE ℄ OF MARQUARDT AVE, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. Elev. = 54.961V



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76F309S 247 2-51

F.B. 1209 PG. 8

B.M. 8-3 (ARTESIA G-4)

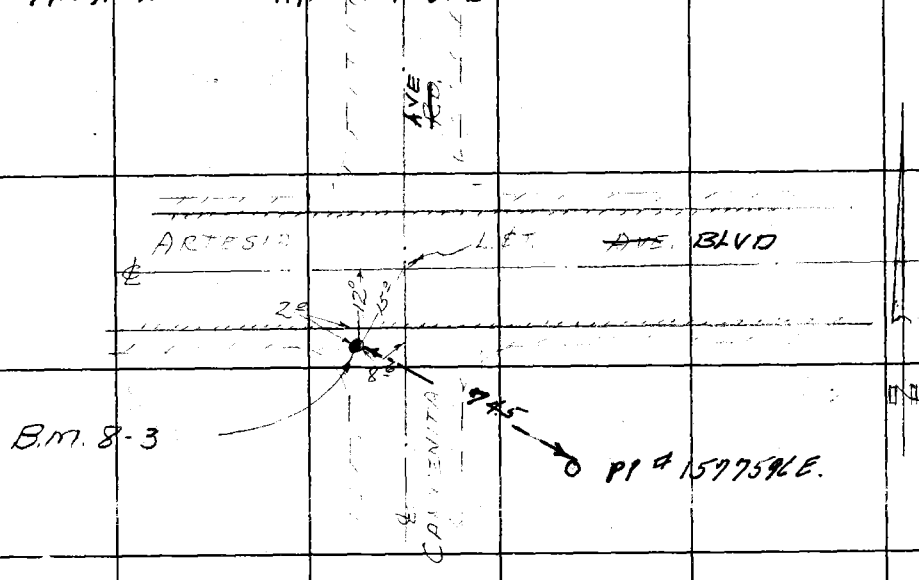
~~This station is about 2 miles northeast of the town of Artesia, at the intersection of~~ Artesia ~~Ave.~~ BLVD and Carmenita ~~Rd.~~ AVE, 8.6 ft. westerly from the approximate center line of Carmenita ~~Rd.~~ AVE, 12 ft. southerly from the approximate center line of Artesia ~~Ave.~~ BLVD, and in a well cut through the pavement and protected by a cast iron cover marked: "County Surveyor Monument."

Station mark: A standard 4 in brass tablet inscribed "L.A. County Survey Control System Traverse Station Artesia G-4 R.E. 2177 set by County Surveyor 1942," was set in concrete 2 in below the [illegible] of street. No sub-surface mark.

REFERENCE: F.B. 931-59, 60.

L.A.Co. 1952 Adj. Elev: 57.760

The mark is
15.0 ft S.W. of L&T at ℄ inter.
74.5 ft N.W. " P.P. # 157796 E.



F.E.B. 30 June 65

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Office Work	Surveyed by H. F. NAUMANN
Checked	Notes G. E. [illegible] Date [illegible]
Date	Indexed

F. B. [illegible] PG. [illegible]

B.M. 8-4 (Artesia G-5)

~~This station is about 2 miles east of the town of Artesia, at the intersection of~~ Carmenita ~~Rd.~~ AVE. and ~~14th St.~~ 183RD ST., ~~5.7~~ 7.3 ft. westerly from the center line of pavement of Carmenita ~~Rd.~~ AVE., ~~6.5~~ 8.2 ft. southerly from the center line of pavement on ~~14th~~ 183RD St. and in a well cut through pavement and protected by a cast iron cover marked "County Surveyor Monument."

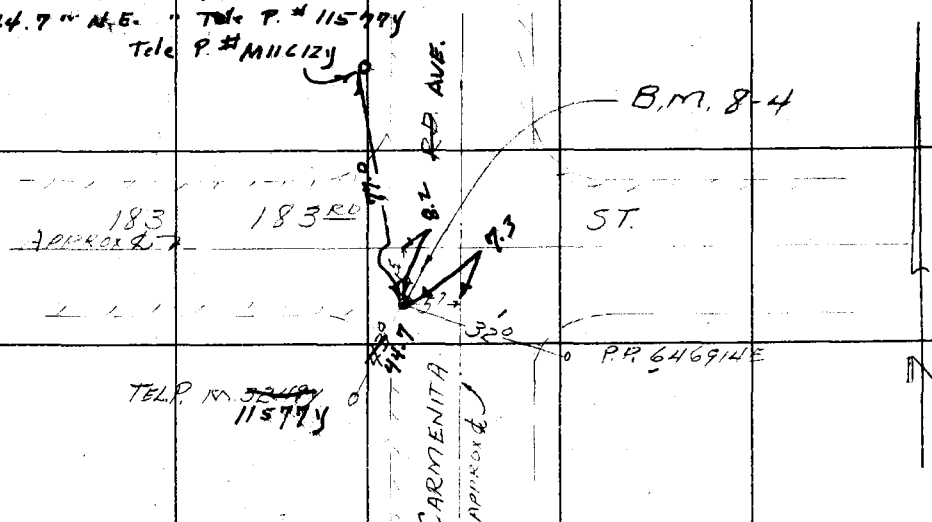
Station Mark: A standard 4 in brass tablet inscribed: L.A. County Survey Control System Traverse Station Artesia G-5 R.E. 2177 set by County Surveyor 1942," was set in concrete 2 in below the subgrade of street.

No sub-surface mark.

Reference: F.B. 931-61-62.

L.A. Co. 1952 Adj. Elev.: 49.557 ✓

The mark is
77.0 ft. S.E. of Tele P. # M11612y
32.0 " N.W. " P.P. # 646914E
44.7 " N.E. " Tele P. # 11577y



FFB 30 June 1965

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76F309S 247 2-51

F. B. 1299 PG. 10

B. M. 8-5 (Artesia G-5A

This station is about 2 mi. east of the town of Artesia, at the center line intersection of Carmenita Rd. and ~~Orangethorpe~~ South Street Ave., and is an angle point on the boundary line between Los Angles & Orange Counties.

Station Mark: A standard 8 inch cast iron County boundary monument marked: "19" was found 6 in. below the surface of pavement, with a cut spike directly above it at pavement surface. This monument was not disturbed, but a well was cut above it through the surface of the pavement, and protected by a cast iron cover marked: "County Surveyor Monument."

Reference: F.B. 931-63, 64.

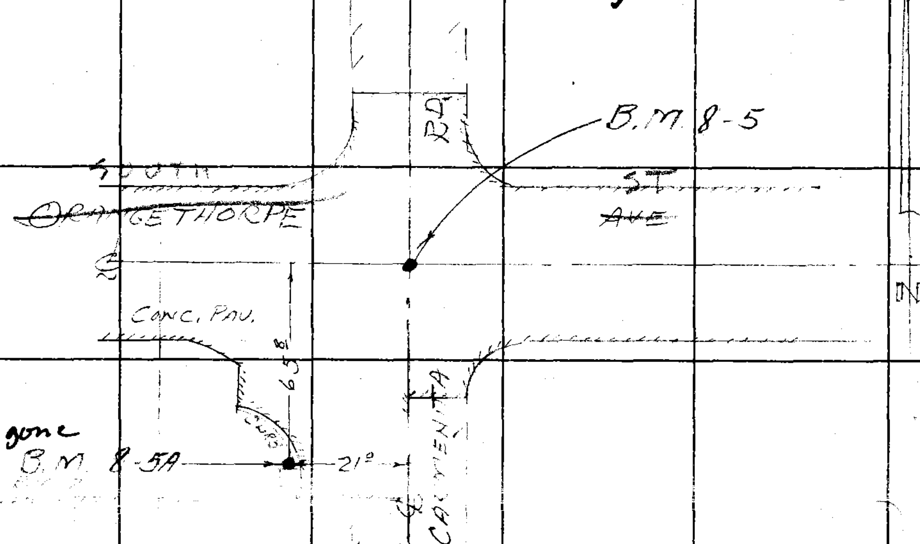
see F.B. 3704-147 for new description

F.B. 52-15, 16, 18, 33.

F.E.B. 30 June 65

NOTE: — USED THE HIGHEST POINT IN THE 1 (ONE) OF THE 19 FOR POINT OF ELEVATION

L.A. Co. 1952 Adj. Elev. = 41.864



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Office Work	Surveyed by H. F. Naumann
Checked	Notes [illegible] Date [illegible]
Date	Indexed

F. B. 120[illegible] PG. [illegible]

FEB 30 Jun 65

F.E.B. 6 Sept 1960

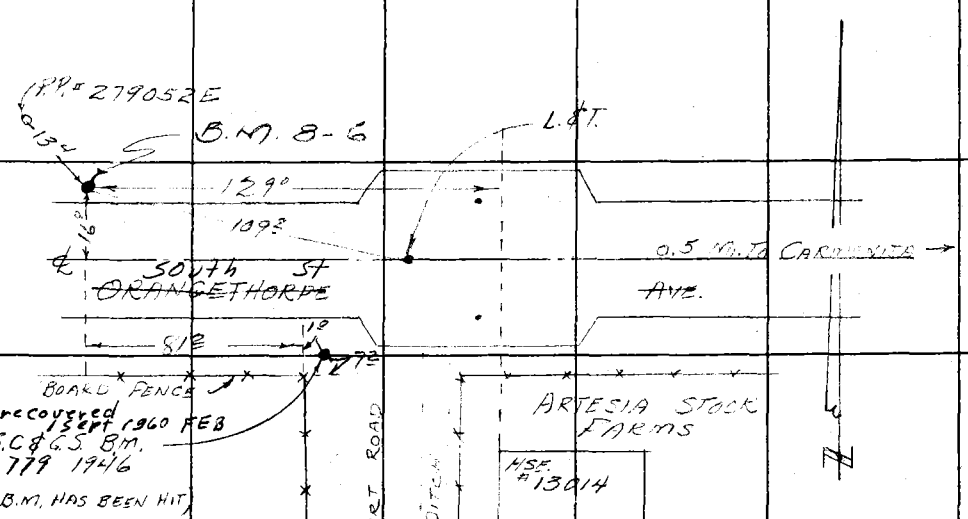
B.M. 8-6

~~ORANGETHORPE AVE.~~ South St., 0.5 MILE WEST OF CARMENITA ~~ROAD~~ AVE., A ~~STANDARD~~ L.A. COUNTY SURVEYOR ~~MONUMENT~~ 2½" Button Brass Cap STAMPED "B.M. 8-7 1951 R.E.63" SET IN CONCRETE 10" BELOW THE SURFACE, 129 FT WEST OF THE PROLONGATION OF THE WEST SIDE OF HOUSE #13014 AT ARTESIA STOCK FARMS AND 16 FT NORTH OF THE ℄ OF ~~ORANGETHORPE AVE~~ South St., AND 13⁴ FT. SOUTH EASTERLY FROM POWER TRANSFORMER POLE #279052E, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. Elev. = 41.741V

Note this mark stamped with wrong number F.E.B.

NOT RECOVERED, DUG 2 FT DEEP 7-18-70 G.E.D.
SEE F.B. 3704-149



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76F309S 247 2-51

F.B. 1209 PG. 12

B.M. 8-7 (U.S. 2192)
(M 51) Reset - ~~About 1.0 mi E along Orangethorpe Ave., from Artesia, at the intersection of~~ South St.
and Bloomfield Ave., N.E. Cor. 100.3 ft. N of the center line of ~~Orangethorpe Ave.~~ South St. 26.7 ft. E of the center line of Bloomfield Ave. ~~6.7~~ 17.0 ft S.E. of Power-Transmission line pole 657629 E, 4.8 ft E of a wire fence, ~~5.8 ft S.E. of a white wooden witness post~~ and about 1 ft underground. A ~~std~~ USC&GS 3½" Brass Disk stamped "M 51 1926 RESET 1927" and set in the top of a 12"x12" concrete post. This B.M. was established by the L.A. Co. Surveyor in May 1927.

L.A. Co. 1952 Adj. Elev. = 45.811 ✓

FEB 30 June 65

F.E.B. 6-Sept 1960

DUG 24" NOT RECOV. 8-17-70 GED

[illegible] 8-8 [illegible] 3923 [illegible]
~~About 1 mi E along Orangethorpe Ave. from Artesia L.A. Co., at the intersection of~~ South St.
and Bloomfield Ave, N.W. Cor. 86.5 ft W of the C.L. of Bloomfield Ave, 24.9 ft N of the C.L. of ~~Orangethorpe Ave.~~ South St. ~~18.4 ft W of a power transmission line pole~~, abt. 1 ft. lower than the top of pavement, and abt. 0.5 ft. underground. A L.A. Co. Rd. Dept. ~~std~~ 2½" Brass disk, stamped "BM 176 and set in the top of a 9"x9" concrete post.

L.A. Co. 1952 Adj. Elev. = 44.786 ✓

FEB 30 June 1965

DUG 2' NOT RECOV. 8-17-70 GED

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Office Work	Surveyed by H. F. NAUMANN
Checked	Notes G. E. DREIEM Date Nov '51
Date	Indexed

F. B. 1259 PG. 13

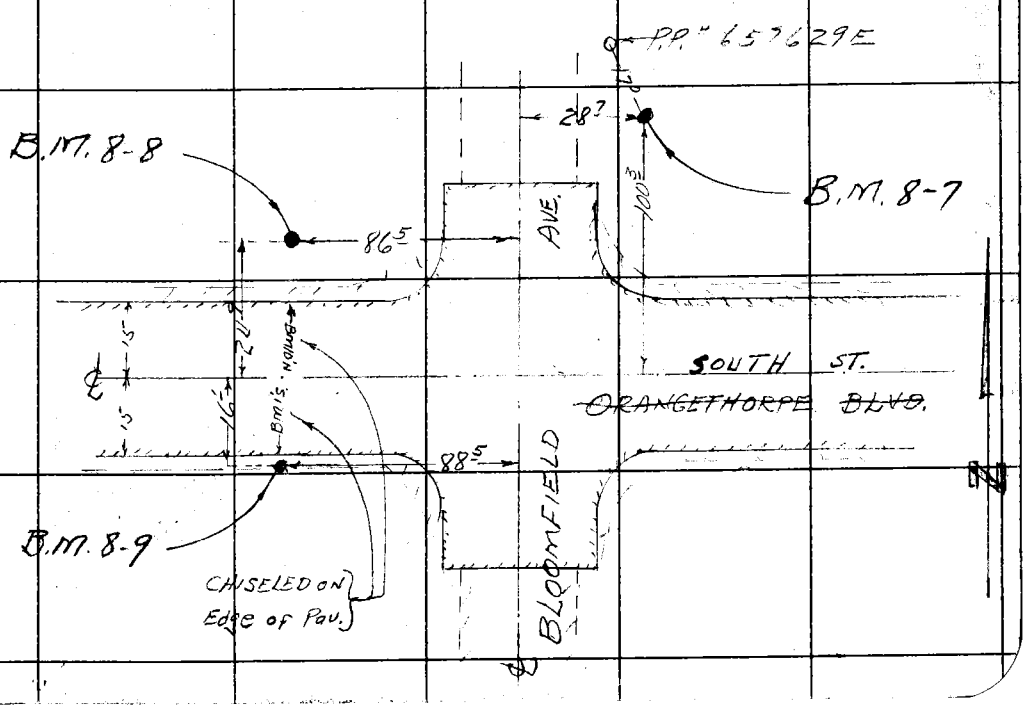
B.M. 8-9 (U.S. 3926) 177 (L.A.C.R.D.)

About 1.0 mi E along ~~Orangethorpe~~ South St. ~~Ave~~ from Artesia, L.A. Co., at the intersection of Bloomfield Ave, 88.5 ft W of the C.L. of Bloomfield Ave., 16.1 ft S of the C.L. of ~~Orangethorpe~~ South St. ~~Ave~~, 1.2 ft. S of the S edge of the pavement, and about 0.5 ft. lower than the highway. A L.A. Co. Rd. Dept. std. disk, stamped "BM 177" and set in the top of a concrete post.

FEB. 6 Sept 1960

Not recovered
30 June 65 F.E.D.

L.A. Co. 1952 Adj. Elev. = 45.258✓



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76F309S 247 2-51

F. B. 1209 PG. 14

B. M. 8-10 (U.S. 3924) F 779 ~~South St.~~ ~~About 1 mi. E along Orange Thorpe Ave. from Artesia L.A. Co. thence about 0.5 mi. S along~~ Bloomfield Ave., ~~at the intersection of Lincoln Ave.~~ and 195th St. N.W. Cor. 32.9 ft W of the C.L. of Bloomfield Ave, 19.2 ft N of the C.L. of ~~Lincoln Ave.~~ 195th St. 4.4 ft W of a fence Cor, and ~~1.6 ft E of a white wooden witness post~~ A ~~std.~~ USCGGS, 3 3/4" iron disk, stamped: "F 779 1946" and set in the top of a concrete post projecting about 0.3 ft. above ground. Post leaning NE 1/4 L.A. Co. 1952 Adj. Elev. = 44.582 ✓

FEB 6 Sept 1960 DEST. BY SEWER M.H. 8-17-70 G.E.D.

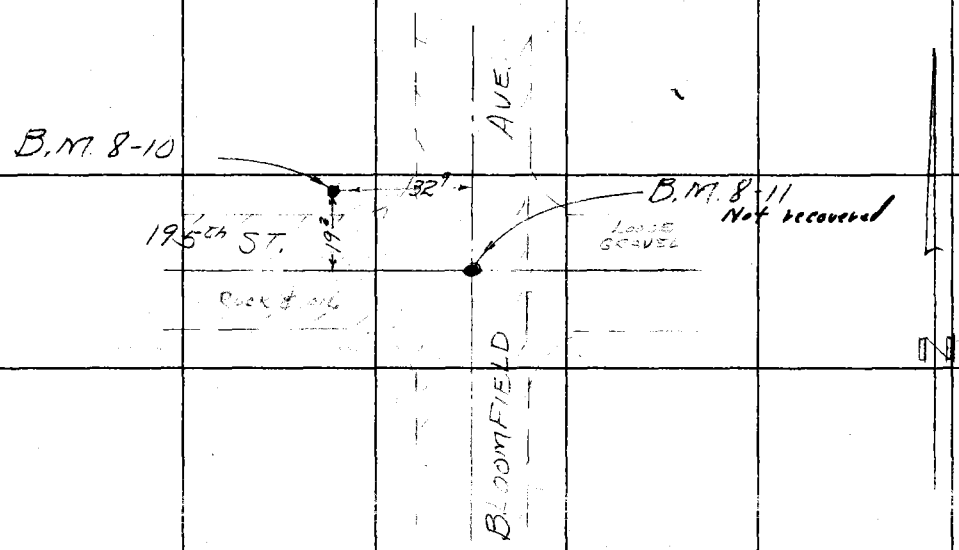
FEB. 30 June 65 NOT RECOV.

B.M. 8-11

BLOOMFIELD AVE AND 195th ST, ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT MARKED "R11W 1/4 5 & 6 T.4S" SET IN CONCRETE 13' BELOW THE CURBED IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER "MARKED" COUNTY SURVEYOR MONUMENT"

Not recovered 30 June 65 F.E.B.

L.A. Co. 1952 Adj. Elev. = 42.995 ✓



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Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date Nov '51
Date	Indexed [illegible]

F. B. 1209 PG. 15

B.M. 8-12 (US 3923) 178 (L.A.C.R.D.)

About 1.0 mi E. along ~~Orangethorpe Ave.~~ South St. from Artesia, L.A. Co. thence about 0.9 mi S along Bloomfield Ave, at the intersection of Del Amo St, 87.6 ft W of the C.L. of the Ave, 21.8 ft N of the C.L. of the st, ~~29.0 ft E of power~~ transmission line, pole ~~339475 E~~ 1234051 E. ~~2.8 ft N of a white wooden witness post~~, and about 1 ft below grade level. A L.A. Co. Rd. Dept. std disk, stamped "178" and set in the top of a concrete post.

not recovered F.E.B. 6 Sept 1960

L.A. Co. 1952 Adj. Elev. = 38.805✓

B.M. 8-13

BLOOMFIELD AVE. AND DEL AMO BLVD, ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT MARKED "6.5" 7.8 R11W T. 4. S. SET IN CONCRET 13 INCHES BELOW THE SURFACE IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. Elev. = 39.203✓

See F.B. 3964-157 for new description

F.E.B. 30 June 65

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76F3095 247 2-51

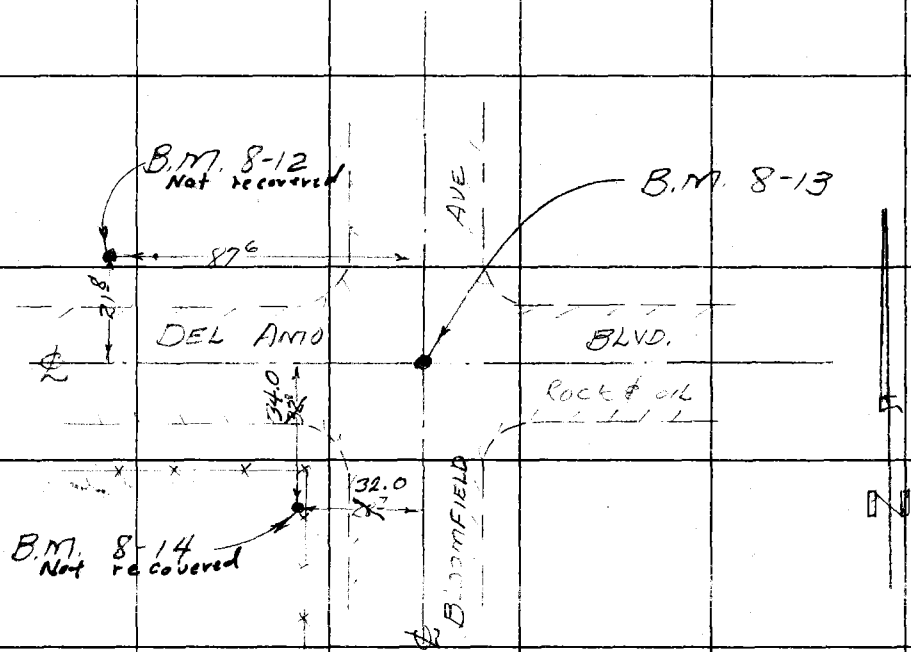
F.B. 1209 PG. 16

B.M. 8-14 (U.S. 3922 / F 749)
About 1.0 mi E along ~~Orangethorpe Ave.~~ South st. from Artesia, L.A. Co., thence about 0.9 mi S along Bloomfield Ave., at the intersection of Del Amo St., ~~32~~ 34.0 ft S of the C.L. of the st, ~~28.7~~ 32.0 ft. W of the C.L. of the Ave, 7.5 ft. S of a fence cor, 2.6 ft. W of the fence, and ~~1.7 ft. N of a white wooden witness post~~. A std disk, stamped "F 749" and set in the top of a concrete post about flush with the ground.

L.A. Co. 1952 Adj. Elev. = 40.058 /

Not recovered 30 June 65 F.E.B.

FEB 6 Sept 1960



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Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed

F. B. 1209 Pg. 17

Not Recovered see F.B. 3704 - 159 for BM 8-15A F.E.B. 30 June 65

B.M. 8-15

BLOOMFIELD AVE. AND CENTRALIA RD. ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT MARKED "T4S 7.8 R11W" 1/4 Cor. SET IN CONCRETE 18 INCHES BELOW THE SURFACE IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY ~~SURVEYOR~~ Engineer MONUMENT"

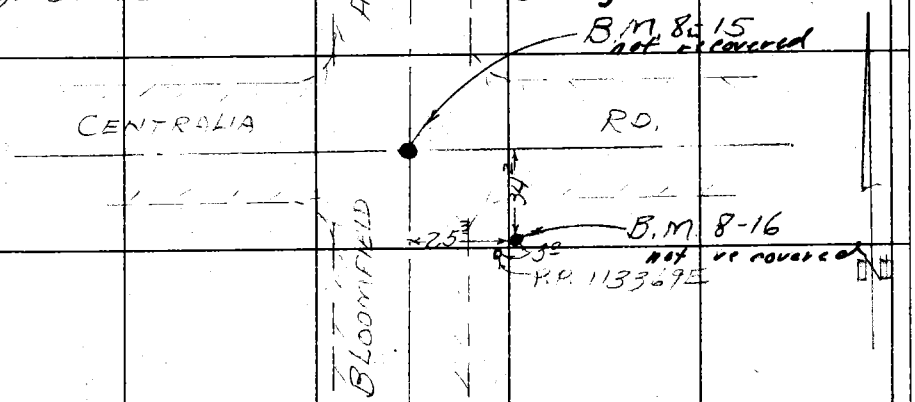
L.A.Co. 1952 Adj. Elev = 34.065 ✓

B.M. 8-16 (U.S. 3921) E 779

About 1.0 mi E. along ~~Orange-thorpe Ave.~~ South St. from Artesia, L.A.Co., thence abt. 1.5 mi S along Bloomfield Ave., at the intersection of Centralia Rd, 34.2 ft. S of the C.L. of Centralia Rd, 23.3 ft E of the C.L of Bloomfield Ave, 3 ft. E of Power transmission line pole 113369 E, and 1.4 ft. S of a white wooden witness post. A std disk, stamped "E 779 1946" and set in the top of a concrete post projecting abt. 0.2 ft. above ground.

L.A.Co. 1952 Adj. Elev. = 36.026 ✓

Not recovered F.E.B. 6 Sept 1960



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76F309S 247 2-51

F. B. 1209 PG. 18

B. M. 8-17 (U.S. 2191) L51 RESET
About 1.0 mi E along Orangethorpe Ave. fr Artesia; thence abt. 1.8 mi S along Bloomfield Ave., nr the intersec. of Carson St., abt. 165 ft. N of the C.L. of Carson St., 21 ft E of the C.L. of Bloomfield Ave., 10 ft. S of power-transmis. Pole 113357 E, 1.6 ft W of a wire fence, 1.2 ft W of a white wooden witness post, and abt 0.7 ft underground. A std disk, stamped "L 51 1926 RESET 1930" and set in the top of a concrete post.
This B.M. was established by the L.A. Co. Surveyor in August 1930.
(NOTE: THIS BENCH IS LEAVING [illegible])

L.A. Co. 1952 Adj. Elev. = 32.135 ✓

(10-11-57 G.E.D.) NOT RECOVERED: ROAD GRADE HAS BEEN RAISED ± 4 FT, DUG DEEP BUT NOT FOUND.

B.M. 8-19 (U.S. 3010) R.M. A6
About 1.0 mi E. along Orangethorpe Ave. from Artesia, thence abt 1.8 mi S along Bloomfield Ave., at the intersec. of Carson St., 92.7 E of the C.L. of Bloomfield Ave., 25.5 ft N of the C.L. of Carson St., at Bridge BR 55-174 over Coyote Creek, and in the N cor of the W abutment.
A U.S.G.S. std disk stamped "B.M. A6 Reference set 1941."
This B.M. was established by the L.A. Co. Surveyor in the Summer of 1941.

L.A. Co. 1952 Adj. Elev. = 39.749 ✓

(7-17-56 G.E.D.) NOT RECOVERED PROBABLY DESTROYED BY NEW BRIDGE CONST.

G.E.D.
(7-17-1956)
B.M. 8-17A
BLOOMFIELD AVE. AND CARSON ST., N.W. COR., B. SPK. IN CULVERT HEADWALL, 1 FT. FROM N. END. SEE F.B. 2421 FOR LEVEL NOTES

2-4-75 G.E.D.
NOT RECOVERED - UNDER PAVEMENT OR DESTROYED.

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Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed [illegible]

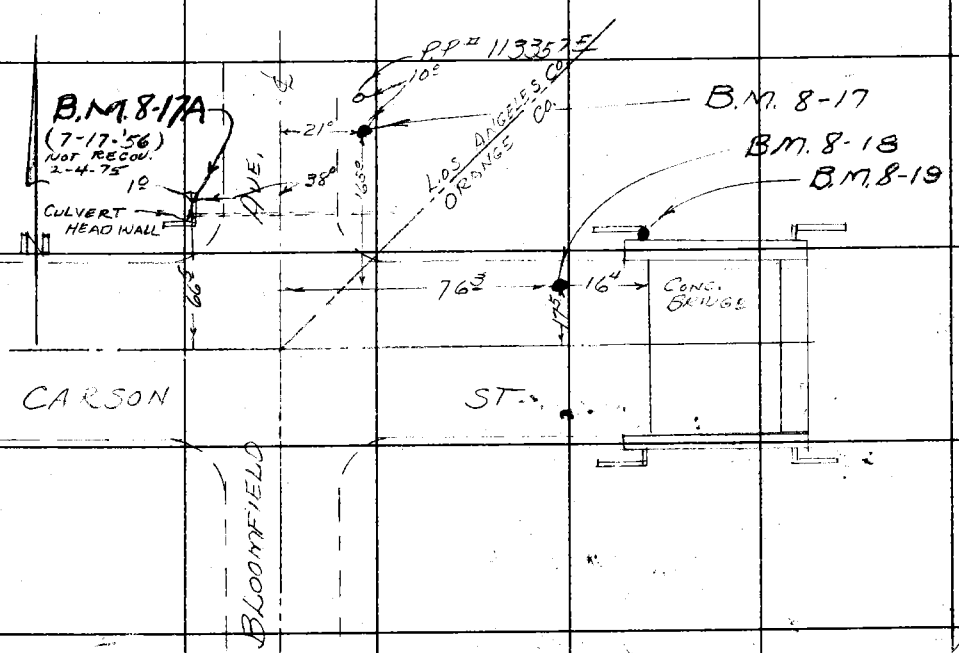
F. B. [illegible] PG. [illegible]

NOT RECOVERED PROBABLY DESTROYED (7-17-56)

B.M. 8-18 (ARTESIA E-9) (U.S. 3920)

About 1.0 mile E along Orangethorpe Ave from Artesia L.A. Co., thence about 1.8 mile S along Bloomfield Ave., at the intersec. of Carson St., 76.7' E of the C.L. of Bloomfield Ave., 18 ft N of the C.L. of Carson St., at Bridge BR 55-174, and 8.7 ft. S of the W end of the NW wing wall. A L.A. Co. Survey Control System std traverse station disk, stamped "ARTESIA E 9 1942 County Surveyor R.E. 2177" and set in the top of a concrete post about 1.3 ft. underground, access to which is had through a 6 in. iron pipe with a cast iron cover marked "COUNTY SURVEYOR MONUMENT."

L.A.Co. 1952 Adj. Elev. = 37.594 ✓



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.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1209 Pg. 20

B.M. 8-20 (ARTESIA D-9) (U.S. 3918)
About 2.0 mi. S and 0.5 mi. E of Artesia, L.A. Co., at the intersec. of Norwalk Blvd. and Carson St., and 15.9 ft. W of the C.L. of the Blvd. A L.A. Co. Survey Control System std disk, stamped "Artesia D 9 1943" and set in the top of a concrete post about 1.2 ft. below sf level, access to which is had through an 8-inch iron pipe with a cast-iron cover marked "COUNTY SURVEYOR MONUMENT".

No recovered F.E.B. 6 Sept 1960

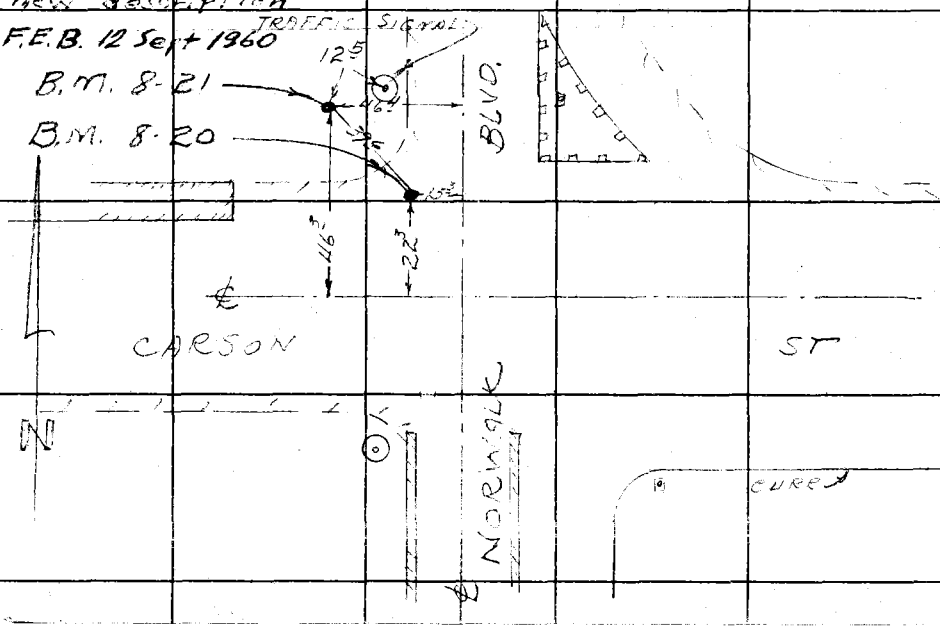
L.A.Co. 1952 Adj. Elev. = 30.532✓

B.M. 8-21 (R.M. ARTESIA D-9)(U.S. 3917)
About 2.0 mi. S and 0.1 mi. E of ARTESIA L.A. Co., at the intersec. of Norwalk Blvd. and Carson St. 46.3 ft. N of the C.L. of the St. 46.6 ft. W of the C.L. of the Blvd. std W of [illegible] Co. Survey Control System std disk stamped "ARTESIA D 9 R.M. No. 1 1943" and set in the top of a concrete post.

L.A.Co. 1952 Adj. Elev. = 29.678✓

BM 8-21 see F.B 2526-16 for new description

F.E.B. 12 Sept 1960



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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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 Ck'd by	Survey of CO PRECISE LEVEL NET
Map No.	W. O. 4922 Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date Nov 51
Date	Indexed

F. B. PG.

B.M. 8-22 (W.S. 3916) (D779)

~~About 2.5 mi S and 0.5 mi E of ARTESIA L.A.Co., about 0.5 mi S along Norwalk Blvd. from the intersec. of Carson St. at the intersec. of 224 St. 39.5 ft E of the C.L. of the Blvd., 23.0 ft S of the C.L. of the Ave. and 2 ft NE of an iron post of a fence cor. A std disk, stamped "D 779 1946" and set in the top of a concrete post about flush with the ground.~~

L.A.Co. 1952 Adj. Elev. = 27.636

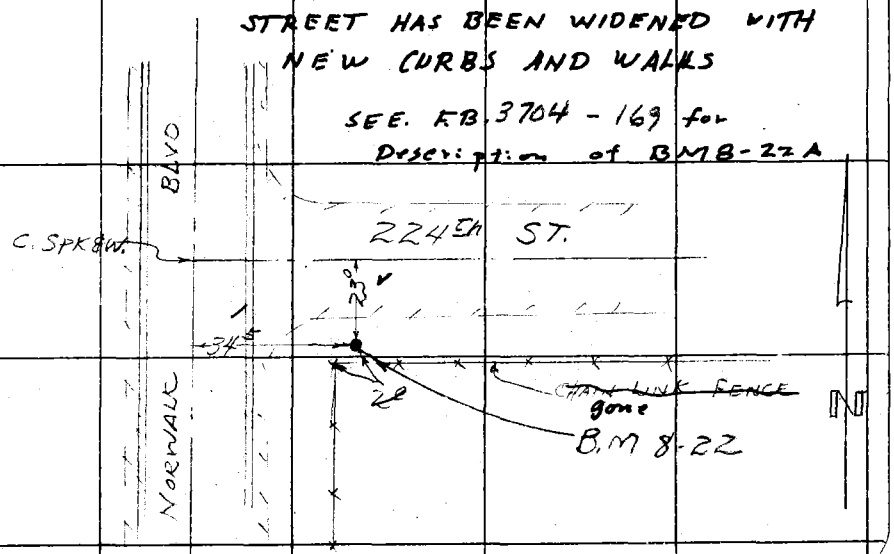
F.E.B. 29 June 1965

The mark is at Norwalk Blvd and 224th St. S.E. Cor. The mark is a USC&GS 3½" Brass B.M. disk set in the top of a 6" conc post 3" dia. The mark is stamped D-779 1946

The mark is
23.0 ft. S. of aprox ℄ of 224th St.
34.5 ft. E. of aprox ℄ of Norwalk Blvd.

NOT RECOVERED 13 AUG 1970 F.E.B.
STREET HAS BEEN WIDENED WITH NEW CURBS AND WALLS

SEE. F.B. 3704 - 169 for Description of BM B-22A



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

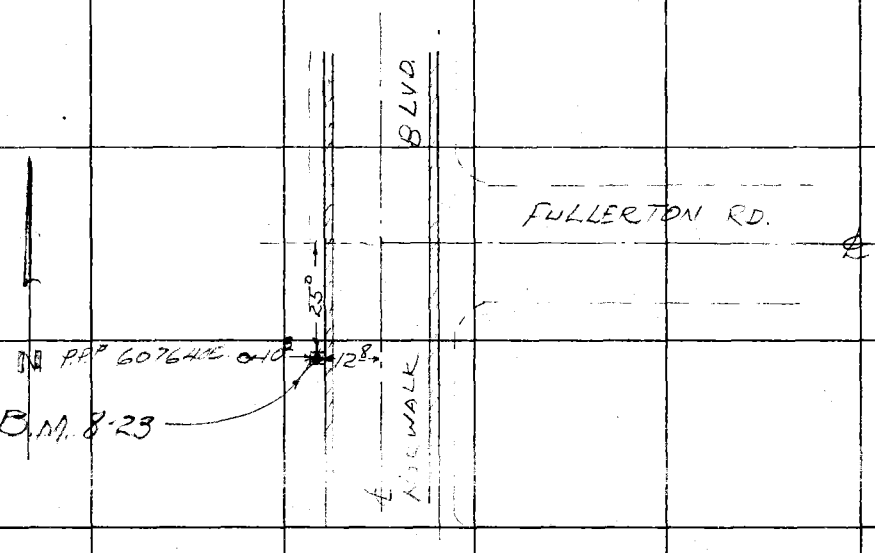
76F3095 247 2-51

F. B. 1209 PG. 22.

B.M. 8-23 (ARTESIA D-10A) (W.S. 3915)
About 3.0 mi S and 0.5 mi E of ARTESIA L.A. Co., at the intersec. of Norwalk Blvd. and Fullerton Rd. 22.0 ft S of the C.L. of the Rd. 12.8 ft. W of the C.L. of the Blvd., 10.3 ft E of power-transmission line pole 607640E, and 1.2 ft W of the W edge of the Blvd. ∴ L.A. Co. Survey Control System std disk, set in the top of a concrete post, about 1.2 ft below road level, access to which is had through an 8 inch iron pipe with a cast-iron cover marked "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. Elev. = 25.325

Not recovered 29 June 1965 see F.B. 3704 - 171 for replacement BM 8-23A F.E.B. 29 June 1965



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

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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 Ck'd by	Survey of Co. Precise Level Net
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes G. E. Dreier Date Nov '51
Date	Indexed

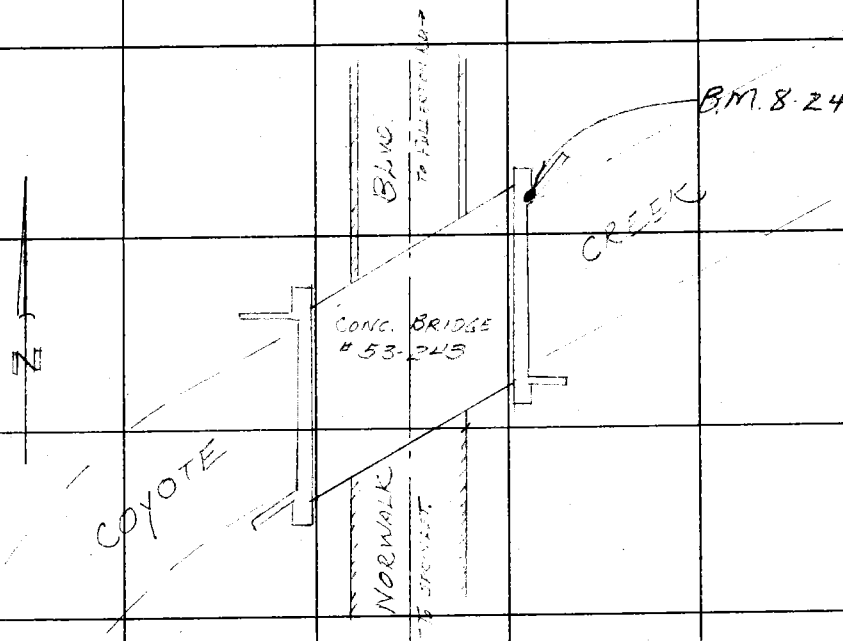
F. B. [illegible] PG. [illegible]

DESTROYED PRIOR TO 1956 (GEO.)

B.M. 8-24 (U.S. 3914) (G779)

About 3.2 mi S and 0.5 mi E of Artesia L.A. Co., about 0.3 mi N along Norwalk Blvd. from the intersec. of Spring St. at the L.A.-Orange Co. line, at the concrete bridge over Coyote Creek, in the top of the NE abutment, and 25.8 ft. E of the C.L. of the blvd. A std disk, stamped "C 779 1946." **L.A. Co. 1952 Adj. Elev. = 31.097✓**

B.M. 8-24A SEE F.B. 1209-266



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

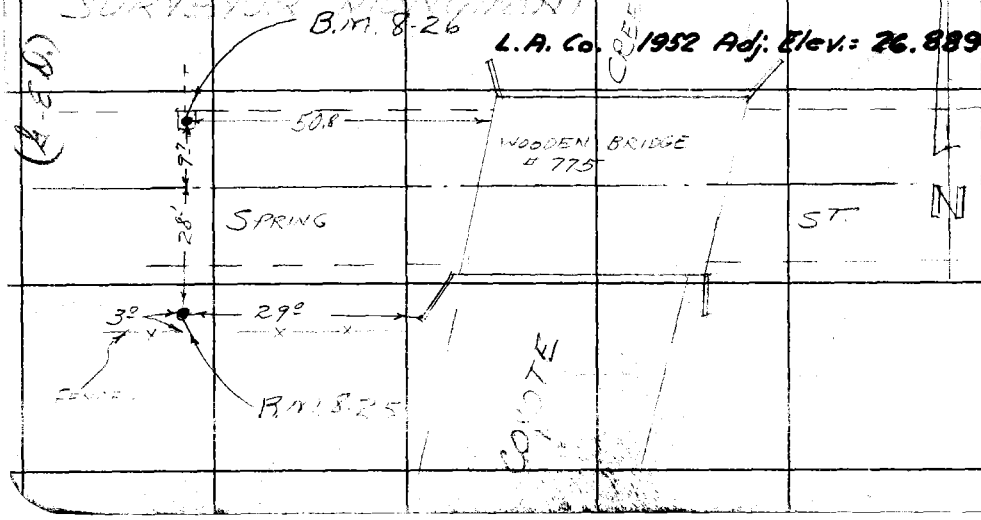
76F309S 247 2-51

F. B. 1209 PG. 24

(A-8-U) NOT RECOVERED, BURIED DEEP OR POSSIBLY DESTROYED PRIOR TO 1956

B.M. 8-25 (R.M. 1 ARTESIA C11)(L.A.C.)(U.S.3912)
In Orange Co., about 4 mi S of Artesia
L.A. Co, about 0.2 mi W along Spring St
from the intersec. of Los Alamitos (Norwalk)
Blvd. 41.0 ft W of the N end of the bridge
over Coyote Creek, 41.4 ft E of Power-
transmission line pole 65 1121 E, 28.7 ft. S
of the C.L. of Spring St., 3 ft N of
a wire fence, directly below a white
wooden witness post, abt 4 ft lower
than the St, and abt 1.3 ft underground.
A L.A. Co. Survey Control System std disk,
stamped "ARTESIA C 11 R.M. #1 1943"
and set in the top of a concrete post.
L.A. Co. 1952 Adj. Elev.: 22.621

B.M. 8-26 (Artesia C 11)(L.A.C.)(U.S. 3913)
In Orange Co. about 4 mi S of Artesia
L.A. Co., about 0.2 mi W along Spring St.
from the intersec. of Los Alamitos
[illegible], 91 ft W of the W end of
the wooden bridge over Coyote Creek,
and 9.4 ft. N of the C.L. of Spring St.
A L.A.Co. Survey Control System std. disk,
stamped "ARTESIA C 11 1943" and set in the
top of a concrete post abt 1.0 ft below st. level,
access to which is had through an 8 in iron pipe
with a cast-iron cover marked "COUNTY
SURVEYOR MONUMENT"
L.A. Co. 1952 Adj. Elev.: 26.889



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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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 Ck'd by	Survey of Co Precise Level Net
Map No.	W. O. 1923 Tape No. St'd. °F
Office Work	Surveyed by H. I. Naumann
Checked	Notes [illegible] Date Nov '51
Date	Indexed

F. B. 1207 PG. 25

Not recovered 29 June 65 no replacement set F.E.B.

B.M. 8-27

SPRING ST. AND PIONEER BLVD, ℄ INTERSECTION, A COPPER NAIL SET IN A CONCRET POST 14 INCHES BELOW THE SURFACE IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A.Co. 1952 Adj. Elev = 24.067 ✓

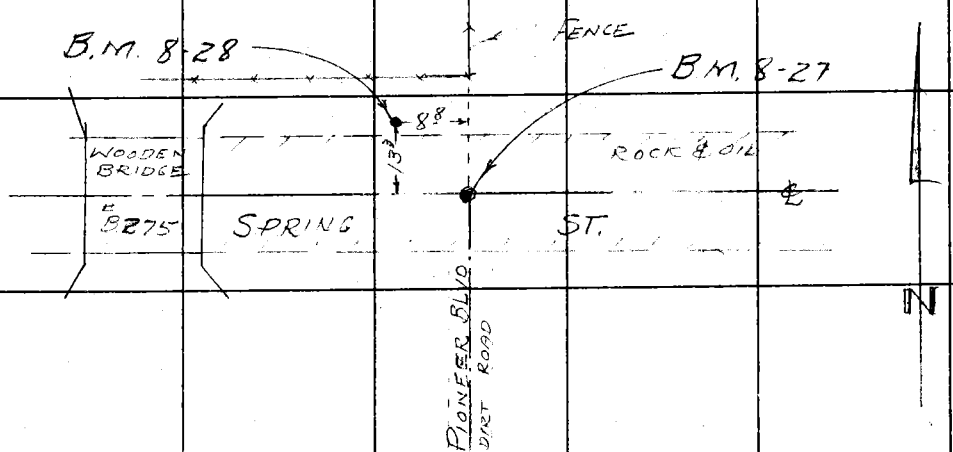
B.M. 8-28 (ARTESIA C-11A) (U.S. 3911)

About 4 mi S of Artesia, L.A. Co., at the intersec. of Spring St. and Pioneer Blvd. 82.4 ft E of the E end of a small wooden bridge over a canal, 12.6 ft. N of the C.L. of Spring St, 1.2 ft. N of the N edge of the st, and 10.0 ft W of the prolongation of the C.L. of Pioneer Blvd., and about 1.2 ft underground. A L.A. Co. Survey Control System std disk, stamped "ARTESIA C 11 A 1944" and set in the top of a concrete post

Not Recovered **L.A.Co. 1952 Adj. Elev. = 23.789 ✓**

29 June 1965

See F.B. 3704 - 179 for replacement BM 8-28 A F.E.B.



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

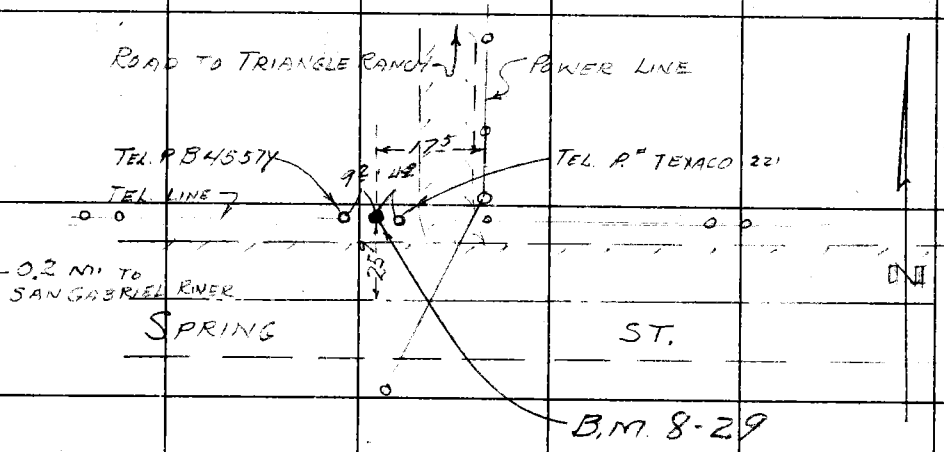
F. B. 1209 PG. 26

B.M. 8-29 (U.S 3909) B 779

About 4 mi S of Artesia, L.A. Co., abt 0.8 mi W along Spring St from the intersec. of Norwalk Blvd., about 0.2 mi E of the E end of the San Gabriel River bridge, at the cut to a ranch, 25.0 ft N of the C.L. of the st, 14.0 ft W of the C.L. of the rd leading through the ranch, 9.2 ft E of Pole B 75574, 4 ft S of a bndry fence, and 2 ft. S of a white wooden witness post. A std disk, stamped B 779 1946" and set in the top of a concrete post projecting about 2 in. above ground.

L.A.Co. 1952 Adj. Elev.: 24.661

SEARCH AND EXCAVATED DILIGENTLY, NOT RECOVERED (10-7-57 L.E.D.)



RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Notes Ck'd by	Survey of CO PRECISE LEVELL NET
Map No.	W. O. 4123 Tape No. St'd. °F
Office Work	Surveyed by HLF MAJOMAN
Checked	Notes OF DOUBLE Date 11-9-51
Date	Indexed

F. B. 1875 Pg. 27

B.M. 8-30

SPRING ST. AT WEST SIDE OF SAN GABRIEL RIVER, A STANDARD L.A. CO. FLOOD CONTROL DISTRICT MONUMENT STAMPED "B.M. 73-33T" IN THE CENTER OF CITY OF L.A. B.P.&L. (DEPT OF WATER & POWER) TOWER #33, 100' SOUTH OF THE ℄ OF SPRING ST.

L.A. Co. 1952 Adj. Elev. = 24.094 ✓

Reported destroyed by L.A.C. F.C.Dist (5/1/63)

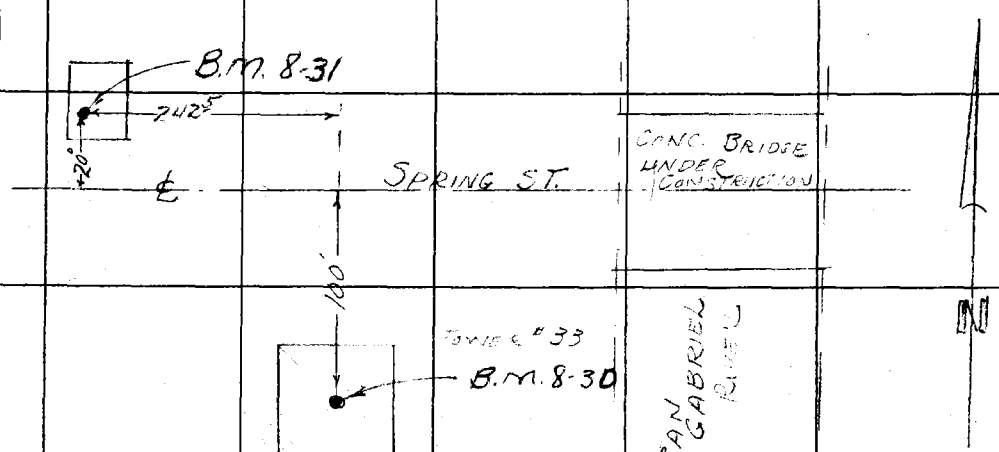
B.M. 8-31 (U.S. 2159) (J 51 RESET)

ABOUT 4.0 MI S OF ARTESIA, ABT 0.4 MI E ALONG SPRING ST. FROM THE INTERSEC. OF STUDEBAKER RD., AT THE W END OF THE APPROACH TO A BRIDGE OVER SAN GABRIEL RIVER, 19.8' N OF THE ℄ OF THE STREET, IN THE CONC. BLOCK SURROUNDING A M.H. LEADING TO A PIT OF THE INDUSTRIAL FUEL SUPPLY CO., & ABT 2.2' HIGHER THAN THE GROUND. A STD DISK STAMPED "J 51 1926 RESET 1938"

DESTROYED PRIOR TO 1956 (U.S.C.&G.S.)

L.A. Co. 1952 Adj. Elev. = 26.452 ✓

J-51 RESET 1952 SEE PAGE 267 (H.E.D. 1957)



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 247 2-51

F. B. 1209 PG. 28

B.M 8-32 (US 3908) (A 779)

ABT 2.6 MILES E ALONG SPRING ST. FROM THE INTERSECTION OF LAKEWOOD BLVD. AT LONG BEACH, L.A. CO, ABT 0.1 MILE E OF THE INTERSECTION OF STUDEBAKER RD, AT LONG BEACH WATER DEPT. WISE WELL No. 1, ABT 110 FT S OF THE ℄ OF THE STREET, 18.7 FT W OF THE 12 FT HIGH WIRE FENCE AROUND THE PUMPING STA., 3.6 FT N OF POWER-TRANSMISSION LINE POLE 444799 E, 2 FT E OF A BRY FENCE, AND 16 FT. S OF A WHITE WOODEN WITNESS POST. A STD DISK, STAMPED "A 779 1946" AND SET IN THE TOP OF A CONC. POST PROJECTING ABT 1 INCH ABOVE GROUND.

L.A.Co. 1952 Adj. Elev = 22.311 ✓

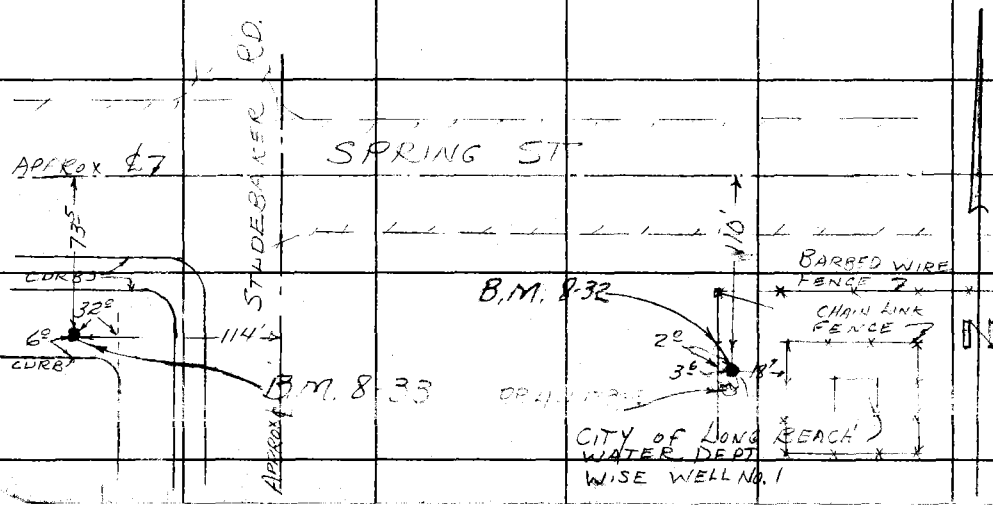
See Field Book 1209 for new description FEB 29 June 1965

BM 8-33

SPRING ST. AND STUDEBAKER RD ON SPRING ST. SERVICE RD. A ~~STANDARD~~ L.A. COUNTY SURVEYOR S.W. Cor. 2 1/2" Button Brass Cap STAMPED "B.M. 8-33 L.A. R.F. 63" SET IN CONCRETE 10 INCHES BELOW SURFACE, 73.5 FT S OF ℄ OF SPRING ST. AND 114 FT W OF ℄ OF STUDEBAKER RD, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

L.A.Co. 1952 Adj. Elev = 19.908 ✓

See Field Book 1209



RETURN TO
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726 LOS ANGELES COUNTY
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Notes Ck'd by	Survey of Co PRECISE LEVEL NET
Map No.	W. O 4923 Tape No. St'd. °F
Office Work	Surveyed by H. E. NAUMANN
Checked	Notes G. E. D[illegible] Date Nov '51
Date	Indexed

F. B. [illegible] PG. [illegible]

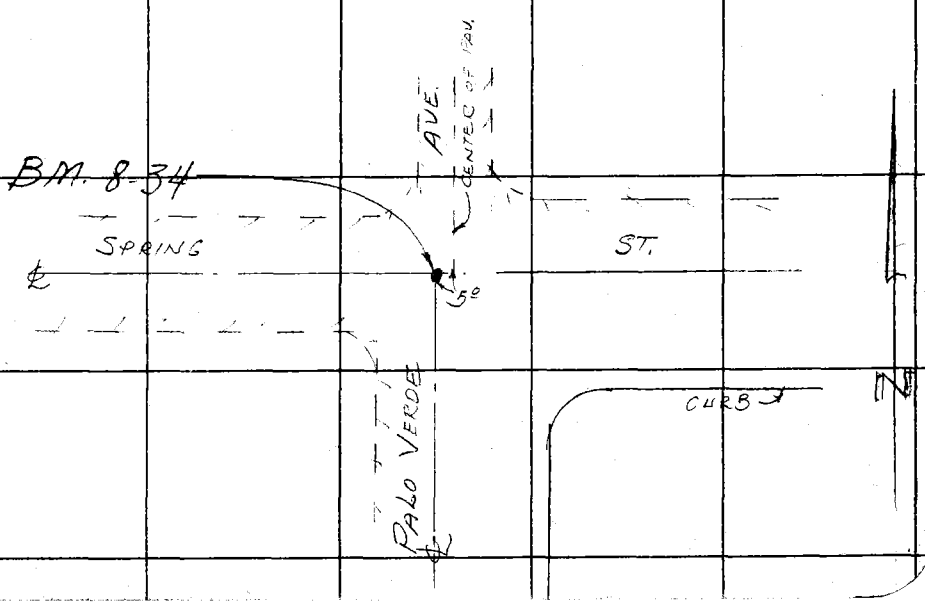
BM 8-34

SPRING ST. AND PALO VERDE AVE., ℄ INTERSECTION, A COPPER NAIL SET IN CONCRETE 15 INCHES BELOW THE SURFACE IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED COUNTY SURVEYOR MONUMENT

L.A.Co. 1952 Adj. Elev. = 21.759 ✓

See F.B. 3704 - 193 for new description

F.E.B. 28 June 1965



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RETURN TO
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726 LOS ANGELES COUNTY
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76F309S 247 2-51

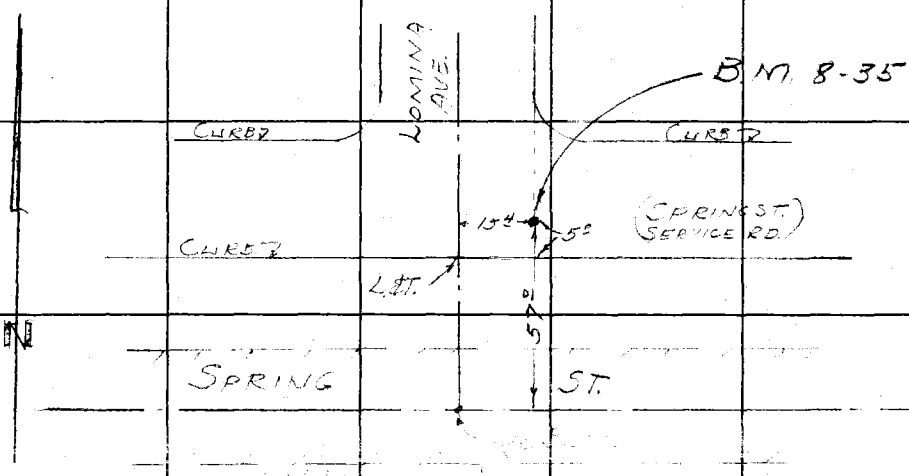
F. B. 1209 PG. 30

B.M. 8-35

SPRING ST. AND LOMINA AVE, ON SPRING ST. SERVICE RD. A ~~STANDARD~~ L.A. COUNTY SURVEYOR 1½" Button Brass Cap MONUMENT STAMPED "B.M 8-35 1951 RE 65" SET IN CONCRETE 10 INCHES BELOW THE SURFACE, 57 FT NORTH OF THE ℄ OF SPRING ST AND 5 FT. EAST OF THE ℄ OF LOMINA AVE. IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY ~~SURVEYOR~~ ENGINEER MONUMENT"

L.A.Co. 1952 Adj. Elev. = 21.3821

See F.B. 3704-195 for description of 8-35A FEB 12 None 1965



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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of Co. Precise Level Net
Map No.	W. O. Tape No. St'd. °F.
Office Work	Surveyed by
Checked	Notes Date 11-13-51
Date	Indexed

F. B. [illegible] Pg. 21

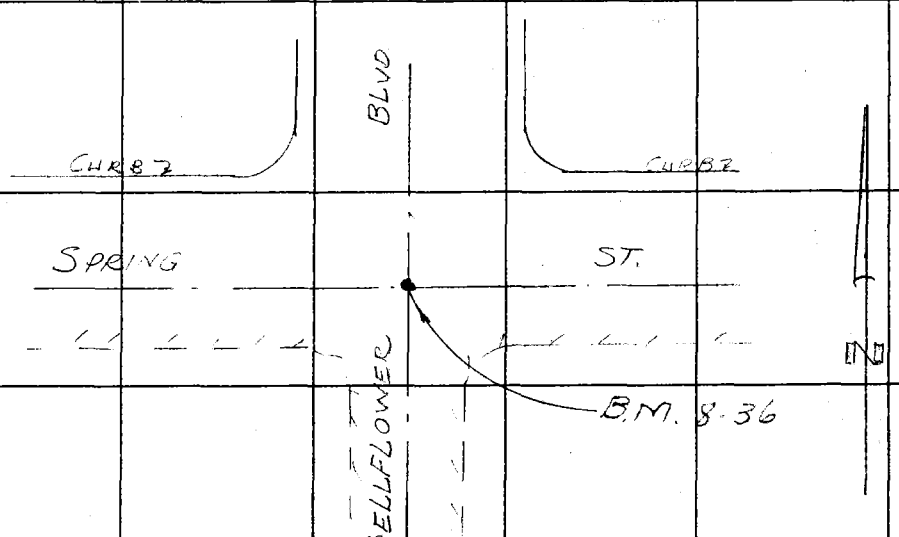
B.M. 8-36 (CLEARWATER J-11)

THIS STATION IS AT THE CENTER LINE OF INTERSECTION OF SPRING ST. AND BELLFLOWER BLVD. IN THE VICINITY OF EAST LONG BEACH, AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

STATION MARK: A STANDARD C.S. BRASS TABLET INSCRIBED "COUNTY SURVEYOR MONUMENT CENTER SEC 22 T.4S. R.12W." WAS FOUND IN CONCRETE 12 INCHES BELOW SURFACE OF STREET, PER C.S. MAP & 117-5 AND F.B. 467-4.

L.A.Co. 1952 Adj. Elev.: 21.755 ✓

See F.B. 3704 pgs 199, 200 for new description of BM 8-36 also BMs 8-36 A & 8-36 B. F.E.B. 28 June 1965



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76F3095 247 2-51

F. B. 1209 PG. 32

B.M. 8-37

SPRING ST. AND CLARK AVE, ℄ OF INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT STAMPED; SET IN CONCRETE 11 INCHES BELOW THE SURFACE IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. Elev. = 23.5051

See F.B. 3704-203 for new description also description of BM 8-37A
F.E.B. 28 June 65

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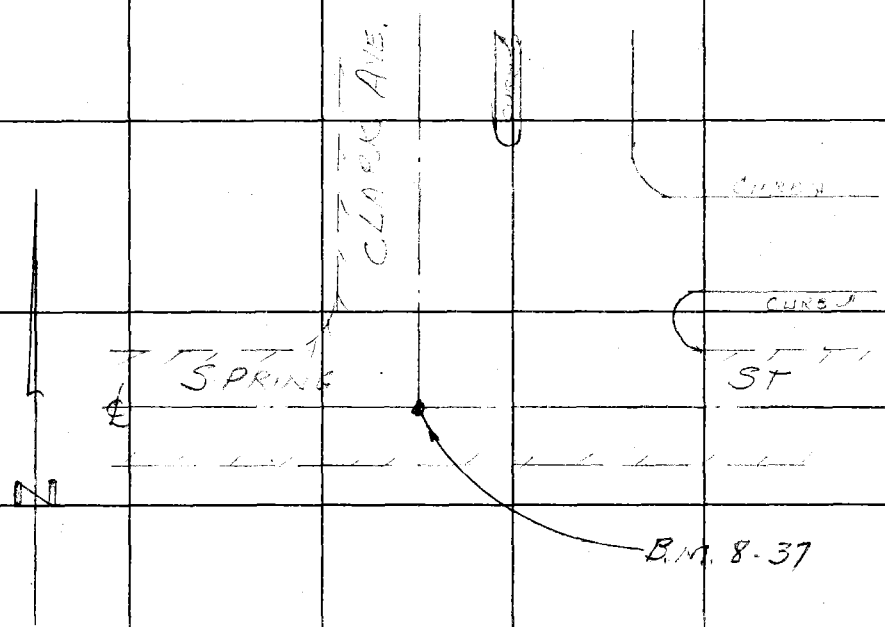

Notes Ck'd by	Survey of CO PRECISE LEVEL NET
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. F. NEUMANN
Checked	Notes G. F. [illegible] Date NOV 57
Date	Indexed

F. B. [illegible] PG.

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ENGINEERING BLDG.

76F309S 247 2-51

B.M. 8-38 (CLEARWATER G-11)

DESTROYED BY CONST. 1957 (H.E.D.)

THIS STATION IS A LONG BEACH CITY CENTER LINE MONUMENT, IN UNINCORPORATED TERRITORY OF LOS ANGELES COUNTY, NEAR THE EASTERN BOUNDARY OF THE CITY OF LONG BEACH, AT THE INTERSECTION OF THE CENTER LINES OF LAKEWOOD BLVD & SPRING ST., 20 FT WESTERLY FROM THE EAST EDGE OF PAVEMENT IN LAKEWOOD BLVD., 11 FT SOUTHERLY FROM THE NORTH EDGE OF PAVEMENT ON SPRING ST. PRODUCED WESTERLY, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "L.B. MON."

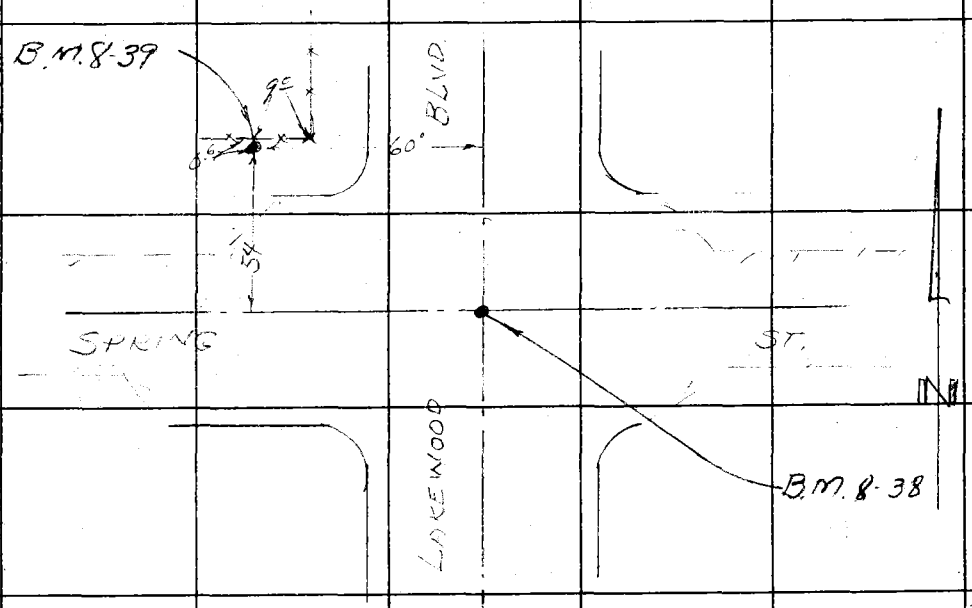
STATION MARK: A COPPER NAIL WAS FOUND SET IN CONCRETE, 14 INCHES BELOW SURFACE OF PAVEMENT.

NOTE: COPPER NAIL APPARENTLY REPLACED W/ A STANDARD L.A. Co. R.E. 2177 CAP MARKED "CLEARWATER G-11" SET IN CONCRETE FLUSH WITH PAVEMENT.

L.A.Co. 1952 Adj. Elev. = 26.593 V

B.M. 8-39 (US 3958) (H 780) SEE NEXT PAGE.

B.M. 8-38 AND 8-39



F.B. 1209 PG. 34

B.M. 8-39 (U.S. 3953). (H 780)

DESTROYED IN SEPT 1957 (A.E.D.)

AT LONG BEACH, L.A. CO., AT THE INTERSEC. OF SPRING ST. AND LAKEWOOD BLVD, AT THE S.E. COR OF LONG BEACH AIRPORT, 60 FT W OF THE ℄ OF THE BLVD, 54 FT N OF THE ℄ OF THE ST, 9 FT. W OF THE IRON POST AT THE S.E. COR OF THE BORY FENCE, 0.6 FT S OF THE FENCE, AND 2 FT E OF A WHITE WOODEN WITNESS POST. A STD. DISK, STAMPED "H 780 1946" AND SET IN THE TOP OF A CONCRETE POST PROJECTING ABT 2 INCHES ABOVE THE GROUND.

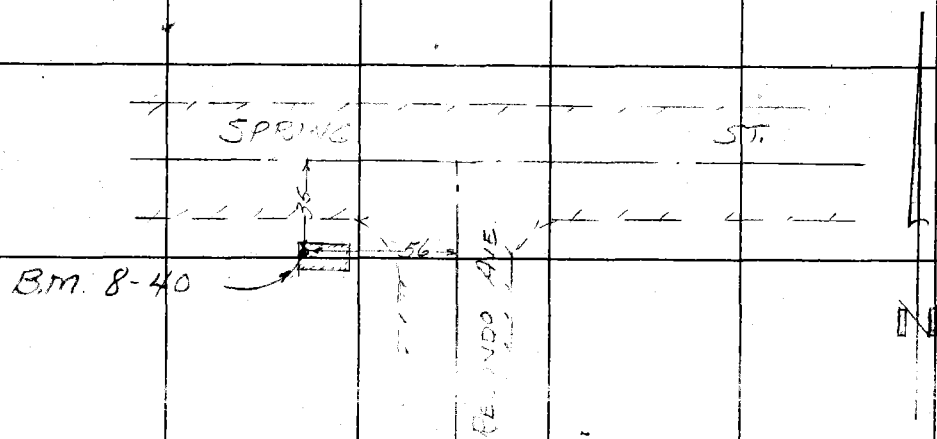
L.A. Co. 1952 Adj. Elev. = 27.001 ✓

B.M. 8-40 (U.S. 3740) (U.615) SEE PAGE 268

B.M. 8-40 DESTROYED PRIOR TO 1955 (A.E.D.)

AT LONG BEACH, L.A. CO., NEAR THE MUNICIPAL AIRPORT (DOUGHERTY FIELD), AT THE INTERSEC. OF SPRING ST. AND REDONDO NEWPORT AVE., 56 FT W OF THE ℄ OF NEWPORT AVE., 35 FT S OF THE ℄ OF SPRING ST, IN THE TOP OF THE N.W. COR OF A LARGE CONCRETE BOX STORM DRAIN 1.2 FT S OF THE CORNER, AND 0.5 FT E OF THE W EDGE. A STD. DISK, STAMPED "U 615 1941."

L.A. Co. 1952 Adj. Elev. = 35.732 ✓



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
Do not extend notes 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 Ck'd by	Survey of Co. Precise Level Net
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H.F. Naumann
Checked	Notes G.E. Dreier Date Nov '51
Date	Indexed

F. B. [illegible] PG. 35

SEE PAGE 270

B.M. 8-41 (U.S. 2762) (92 City of Long Beach)

At Long Beach, Los Angeles Co., at the N.E. corner of the intersection of Cherry Ave. and Spring St., ~~21.1~~ 24.3 ft east of the center line of Cherry Ave., and ~~15~~ 4.2 ft west north of a fire hydrant. A City of Long Beach std disk, stamped "92" and set in the top of a concrete post abt 1 foot underground, access to which is had through a 6 inch iron pipe with a cover marked "L.B.B.M."

Note: Monument now 6" above ground.

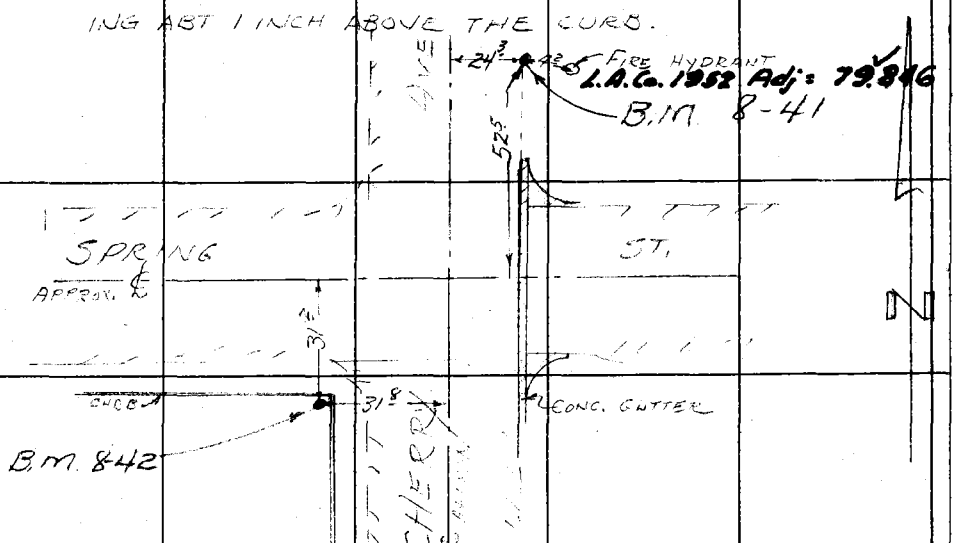
L.A. Co. 1952 Adj. Elev. = 77.988 ✓

Note: 8-41 Reported destroyed May 1954 by City Engineer Long Beach.

B.M. 8-42 (U.S. 3950) (W 776)

At Signal Hill, L.A. Co. at the intersection of Cherry Ave and Spring St, 31.8 ft W of the ℄ of the Ave, 31.2 ft S of the ℄ of the St., and just inside the N.E. cor of a small narrow curbing on Southern Calif Edison Co. property. A std disk, stamped "W 776 1945" and set in the top of a concrete post projecting abt 1 inch above the curb.

B.M. 8-42 Destroyed by curb const. 1957 (H.E.D.)



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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76F309S 247 2-51

F.B. 1209 PG. 36

B.M. 8-43 (U.S. 3954) (93 (C.L.B.))

~~AT LONG BEACH, L.A. CO., AT THE INTERSECTION OF~~ CHERRY AVE. AND WARDLOW RD, N.W. Cor. AT AN ENTRANCE DRIVE TO A SERVICE STA, 44.7 FT W OF THE W CURB OF CHERRY AVE. AND 5.4 FT N. OF THE N CURB OF WARDLOW RD. A CITY OF LONG BEACH ~~STD~~ 2½" Brass DISK, STAMPED "BM No. 93" AND SET IN THE TOP OF A CONCRETE POST IN A WELL ABT ~~8~~ 6 INCHES DEEP, ACCESS TO WHICH IS HAD THROUGH A 5 INCH IRON PIPE WITH A CAST IRON COVER MARKED "L.B.B.M."

L.A.Co. 1952 Adj. Elev. = 54.009✓

28 June 65

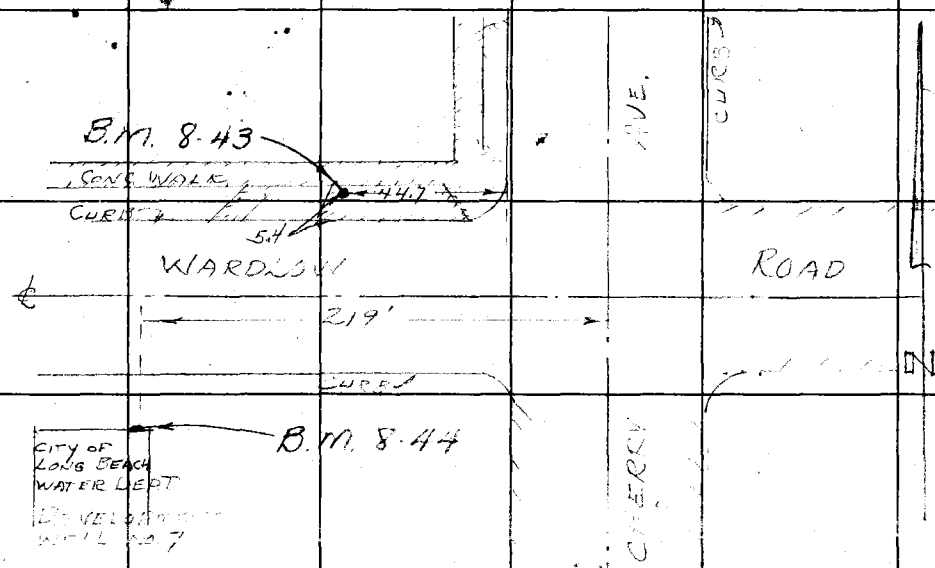
B.M. 8-44 (US 2763) (H-98)

F.E.B.

~~AT LONG BEACH, LOS ANGELES CO.~~ NEAR THE INTERSECTION OF CHERRY AVE. AND WARDLOW RD, ABT 219 FT W OF THE CENTER LINE OF CHERRY AVE. AND IN THE WALL OF THE ~~LONG BEACH PUMP HOUSE~~ N.E. Cor. of the City of L.B. Pump house ~~AT THE NORTHEAST CORNER~~. A ~~STANDARD~~ USC & GS 3½" Brass B.M. DISK, STAMPED "H 98 1932" AND SET VERTICALLY

*56.4 ft S. of S curb of Wardlow Rd.

L.A.Co. 1952 Adj. Elev. = 58.746✓



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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Notes Ck'd by	Survey of Co. Precise Level Net
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. K. Naumann
Checked	Notes [illegible] Date 11-13-51
Date	Indexed

F. B. 1207 Pg. 37

B.M 8-45

WARDLOW RD. AND ORANGE AVE, ℄ INTERSECTION, A CITY OF LONG BEACH ~~MONUMENT~~ 2½" Brass Disk 18" INCHES BELOW THE SURFACE IN A WELL AND PROTECTED BY A CAST IRON COVER MARKED "L.B."

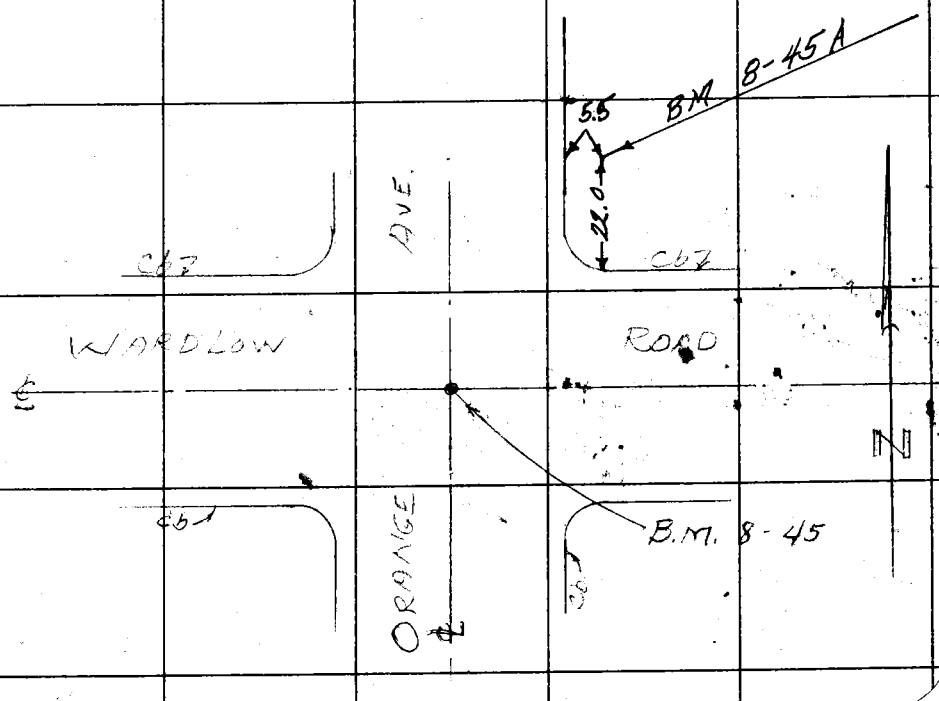
L.A.Co. 1952 Adj. Elev = 69.615 ✓

FEB 28 Sept 1965 see F.B. 3704-221, 222 for new descriptions.

F.E.B. 28 Sept. 1960

BM 8-45A

WARDLOW RD. and ORANGE AVE. N.E. Corner. 5.5 ft. E. of E. curb of Orange Ave and 22 ft. N. of N. curb of Wardlow Rd. in concrete drive to service station a City of Long Beach ~~monument~~ 2" Brass Disk stamped BM #87. ~~[illegible]~~ 6" below drive and protected by a cast iron cover marked L.B. B.M.



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1209 PG. 38

FEB 28 1962

B.M. 8-46

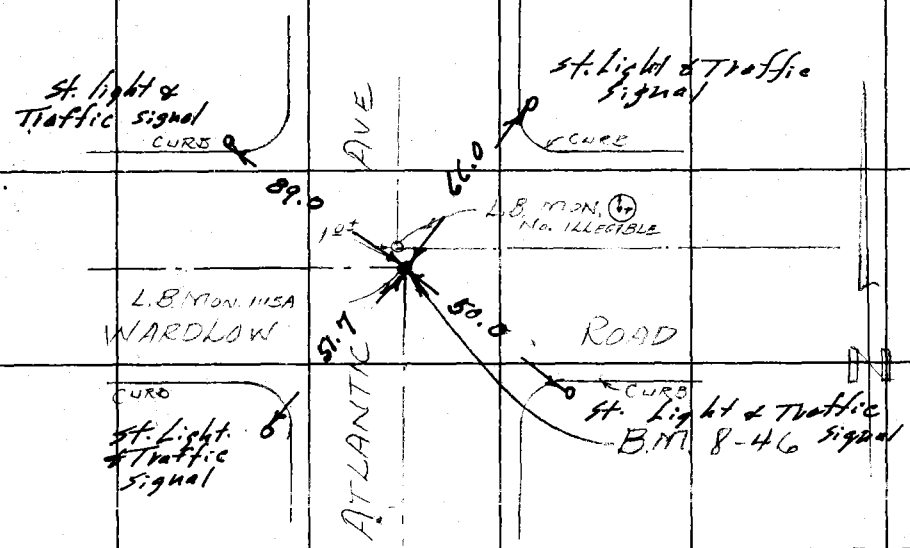
ATLANTIC AVE. AND WARDLOW RD., ℄ INTERSECTION (TO WEST) A CITY OF LONG BEACH MONUMENT STAMPED "115A"

SET IN CONCRETE 18 INCHES BELOW THE SURFACE IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER ~~MARKED "L.B."~~

L.A. Co 1952 Adj. Elev. = 87.632

The mark is

66.0	ft	S.W.	of	St. light &	Traffic	Signal	on	N.E.	Cor.
89.0	"	S.E.	"	"	"	"	"	N.W.	"
51.7	"	NE	"	"	"	"	"	S.W	"
50.0	"	NW	"	"	"	"	"	S.E.	"



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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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 Ck'd by	Survey of Co PRECISE LEVEL NET
Map No.	W. O. 1929 Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed

F. B. PG. 39

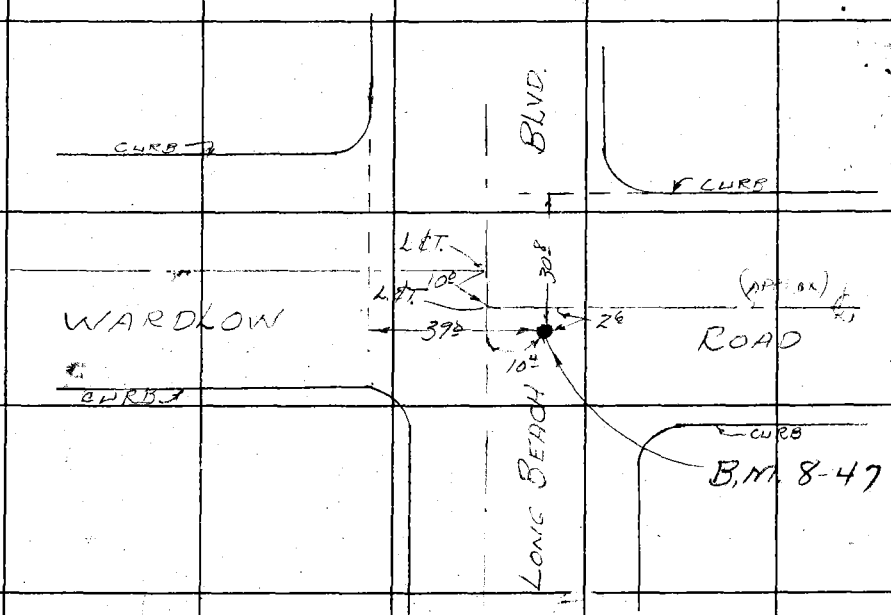
B.M. 8-47 (CLEARWATER BLVD)

THIS STATION IS IN THE CITY OF LONG BEACH, IN THE INTERSECTION OF LONG BEACH BLVD. AND WARDLOW ROAD, 39.8 FT. EASTERLY FROM THE WEST CURB LINE OF LONG BEACH BLVD. PRODUCED SOUTHERLY, AND 30.8 FT SOUTHERLY FROM THE NORTH CURB LINE OF WARDLOW ROAD PRODUCED WESTERLY IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED: "L. A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION CLEARWATER B-10 R.E. 2177 SET BY COUNTY SURVEYOR 1940," WAS SET IN CONCRETE, 2 INCHES BELOW THE SUBGRADE OF THE STREET.

L.A.Co. 1952 Adj. Elev.: 88.497 ✓

See F.B. 390f - 225 for new description
F.E.B. 28 June 1965



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1209 PG. 20

BM. 8-48 (CLEARWATER B-9)

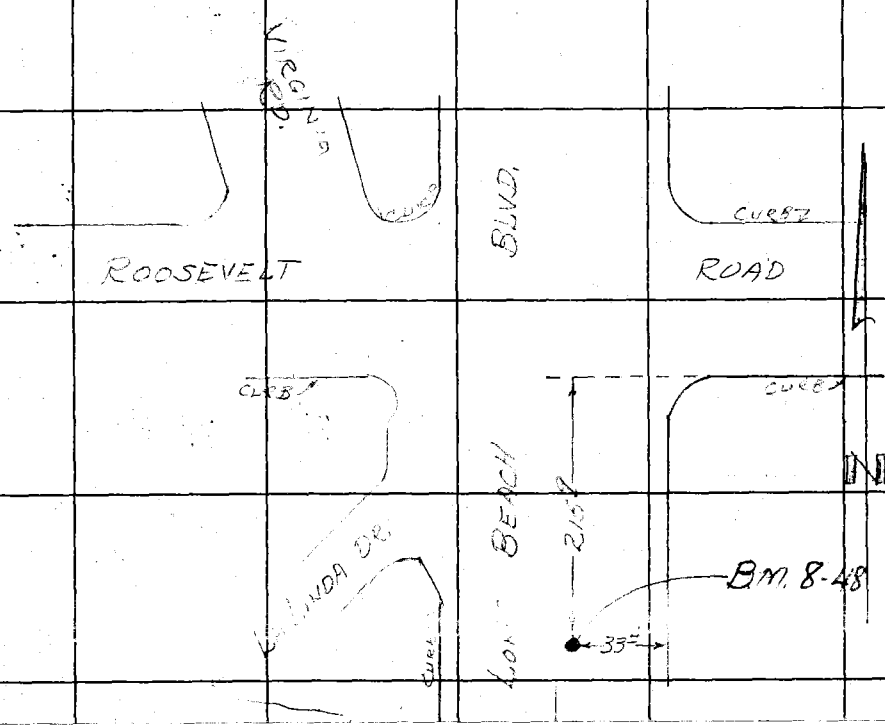
THIS STATION IS IN THE CITY OF LONG BEACH, NEAR THE JUNCTION OF VIRGINIA ROAD, ROOSEVELT ROAD, AND LONG BEACH BLVD., 33.4 FT. WESTERLY FROM THE EAST CURB OF LONG BEACH BLVD. AND 215.9 FT SOUTHERLY FROM THE SOUTH CURB LINE OF ROOSEVELT ROAD. PRODUCED WESTERLY, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

STATION MARK: A STANDARD 4 INCH BRASS TABLET, INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION CLEARWATER B-9 R.E. 2177 SET BY COUNTY SURVEYOR 1940," WAS SET IN CONCRETE, 2 INCHES BELOW SUBGRADE OF STREET.

L.A.Co. 1952 Adj. Elev.: 110.901 ✓

See FB. 3704-227 for new description

F.F.B. 28 June 1965



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Notes Ck'd by	Survey of CO PRECISE LEVEL NET
Map No.	W. O. 4903 Tape No. St'd. °F
Office Work	Surveyed by H. F. NAUMANN
Checked	Notes C. F. DREIER Date NOV '51
Date	Indexed

F. B. 1305 PG. 41

BM 8-49 (CLEARWATER B-8A)

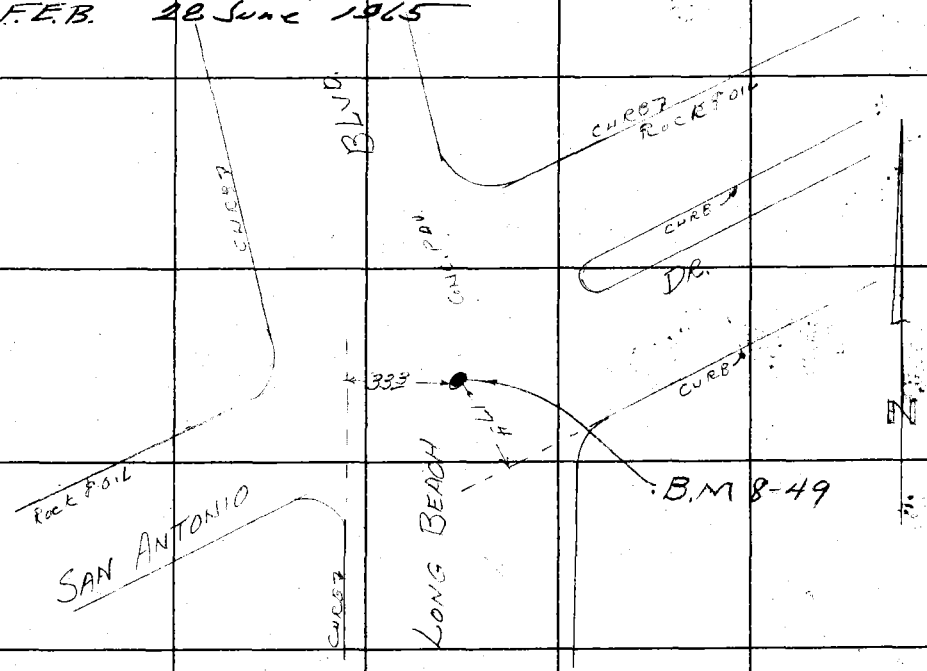
THIS STATION IS IN THE CITY OF LONG BEACH, IN LONG BEACH BLVD. AT ITS INTERSECTION WITH SAN ANTONIO DRIVE, 17.4 FT. NORTHWESTERLY FROM THE SOUTHEAST CURB LINE OF SAN ANTONIO DRIVE PRODUCED SOUTHWESTERLY, 33.3 FT. EASTERLY FROM THE WESTERLY CURB LINE OF LONG BEACH BLVD. PRODUCED NORTHERLY, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION CLEARWATER B-8A RE 2177 SET BY COUNTY SURVEYOR 1940." WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF STREET.

L.A. Co. 1952 Adj. Elev. = 102.980 ✓

See F.B. 3904 - 229 for new description

F.E.B. 28 June 1965



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1209 PG. 42

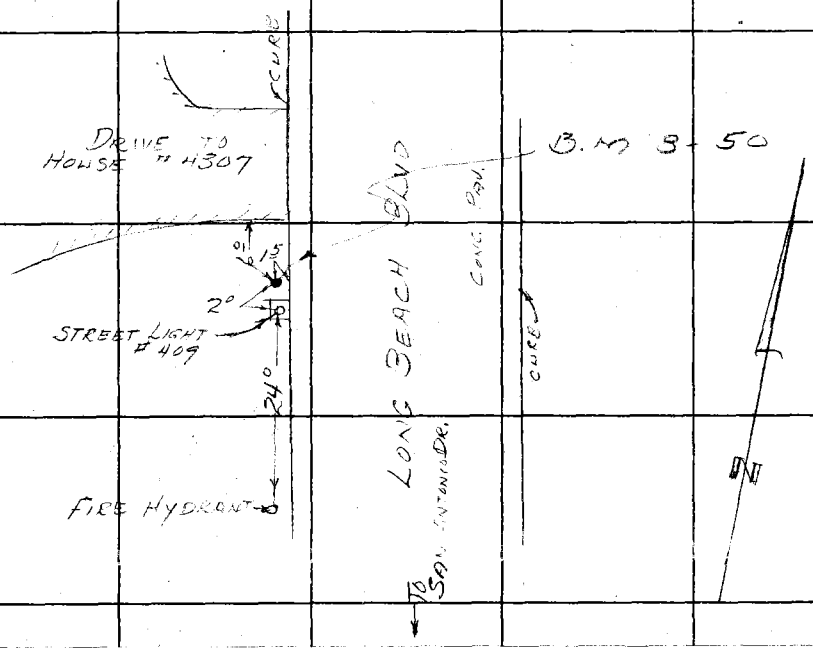
BM. 8-50 (A.S. 4563) (A 780)

AT LONG BEACH, LOS ANGELES COUNTY, ABOUT 0.2 MILE NORTH ALONG LONG BEACH BOULEVARD FROM THE INTERSECTION OF CARSON ST, 70 FT NORTH OF THE ℄ OF A DRIVEWAY LEADING TO RESIDENCE 4261, 26 FT. NORTH OF A FIRE HYDRANT, 1.5 FT WEST OF THE WEST CURB OF THE BLVD, AND ABOUT 0.1 FOOT HIGHER THAN THE TOP OF THE CURB. A STANDARD DISK STAMPED "A 780 1946" AND SET IN THE TOP OF A CONCRETE POST ABOUT FLUSH WITH THE GROUND.

L.A.Co. 1952 Adj. Elev. = 98.121 ✓

See F.B. 3704 — 231 for new description

F.E.B. 28 Surv 1965



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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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 Ck'd by	Survey of Co Precise Level Net
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. F. Naumann
Checked	Notes G. E. [illegible] Date Nov 51
Date	Indexed [illegible]

F. B. 1207 PG. [illegible]

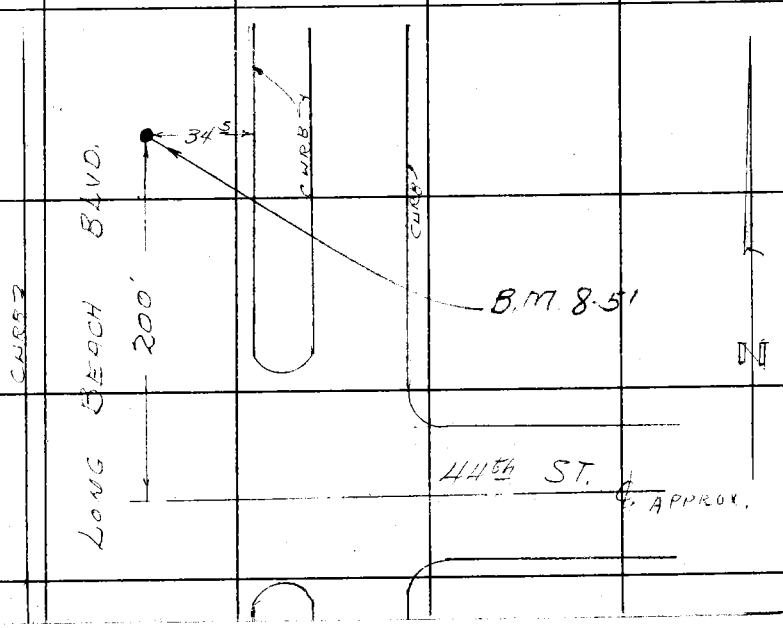
See F.B. 370 + for 233 H & W description FEB 28 June 60

B.M. 8-51 (CLEARWATER B-8)

THIS STATION IS IN THE CITY OF LONG BEACH AT THE CREST OF THE HILL ON LONG BEACH BLVD. ABOUT 0.20 MILE NORTH OF SAN ANTONIO DRIVE, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

STATION MARK: A STANDARD 4 INCH BRASS TABLET, INSCRIBED: "L.A COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION CLEARWATER B-8 R.E. 2177 SET BY COUNTY SURVEYOR 1940," WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF STREET.

L.A. Co. 1952 Adj. Elev. = 92.716 ✓



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 247 2-51

F.B. 1209 PG. 44

B.M 8-52 (CLEARWATER A-7)

AT THE INTERSECTION OF ARBOR ST. AND LONG BEACH BLVD., 32.8 WLY FROM THE EAST CURB OF LONG BEACH BLVD., AND ~~ABOUT 5 FT. NORTHERLY FROM THE~~ 2.6 N. of S. curb line of 48th st produced E'ly. ~~U.P. R.R. VIADUCT ACROSS LONG BEACH BLVD.~~, SET IN CONCRETE ~~2" BELOW THE SUBGRADE~~ 8" down IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT", A ~~STANDARD~~ 4" BRASS TABLET MARKED "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION CLEARWATER A-7 R.E. 2177 SET BY COUNTY SURVEYOR 1940."

L.A. Co. 1952 Adj. Elev. = 40.669✓

F.E.B. 28 June 65

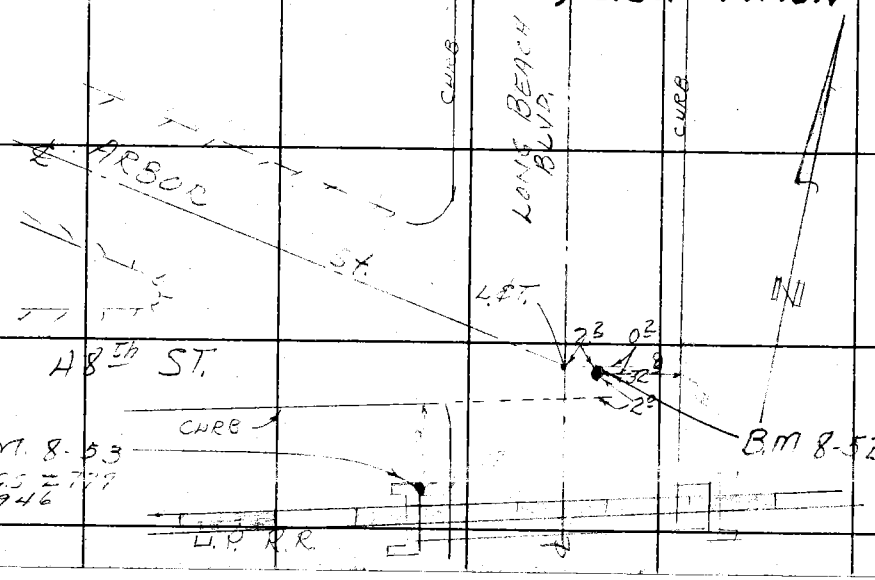
B.M. 8-53 (U.S. 4562) (Z-779)

~~AT LONG BEACH LOS ANGELES COUNTY AT THE INTERSECTION OF~~ LONG BEACH BLVD. AND FORTY EIGHTH STREET, S.W. Cor. 49 FT SOUTH OF THE SOUTH CURB OF THE STREET, 14.2 FT. WEST OF THE WEST CURB OF THE BLVD. AT THE UNION PACIFIC RAILROAD [illegible] OF THE WEST CONCRETE [illegible], [illegible] SOUTH OF THE NORTH END OF THE ABUTMENT AND 2.8 FEET ABOVE THE GROUND. A ~~STANDARD~~ U.S.C.&G.S. 3 1/2" Brass B.M. DISK STAMPED "Z 779 1946" AND SET VERTICALLY.

1946 U.S.C.&G.S. ADJ. ELEV. 44.826

F.E.B. 28 June 65

L.A.Co. 1952 Adj. Elev. = 44.437✓



RETURN TO
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Notes Ck'd by	Survey of L.A. Co. Precise Level Nw
Map No.	W. O. 41924 Tape No. St'd. °F
Office Work	Surveyed by H.F. NAUMANN
Checked	Notes Date
Date	Indexed

F. B. 1209 PG. 45

B.M. 8-54 (F.C.B.M. 2-36)

AT THE UNION PACIFIC R.R. BRIDGE OVER THE LOS ANGELES RIVER NEAR DOMINGUEZ ST., A LEAD AND TACK, MARKED WITH PAINT "F.C.B.M. 2-36", IN THE EAST END OF THE SOUTHEASTERLY CONCRETE ABUTMENT OF THE U.P.R.R. BRIDGE.

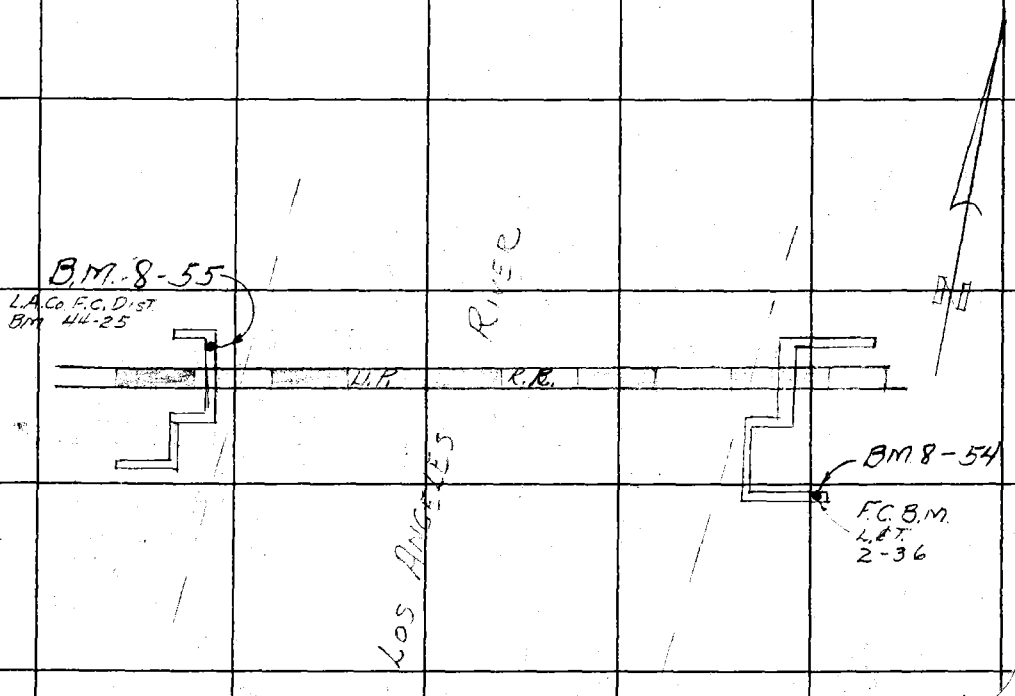
L.A. Co. 1952 Adj. Elev. = 55.118 ✓

B.M. 8-55 (L.A. Co. F.C. DIST 44-25)

AT THE UNION PACIFIC R.R. BRIDGE OVER THE LOS ANGELES RIVER NEAR DOMINGUEZ ST., A STANDARD LOS ANGELES COUNTY FLOOD CONTROL DISTRICT DISK STAMPED "B.M. 44-25" SET IN THE TOP OF THE NORTHWESTERLY CONCRETE ABUTMENT OF THE U.P.R.R. BRIDGE.

L.A. Co. 1952 Adj. Elev. = 49.685 ✓

BOTH B.M.'S DESTROYED BY NEW BRIDGE CONSTRUCTION (SEPT 1957)



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1209 PG. 46

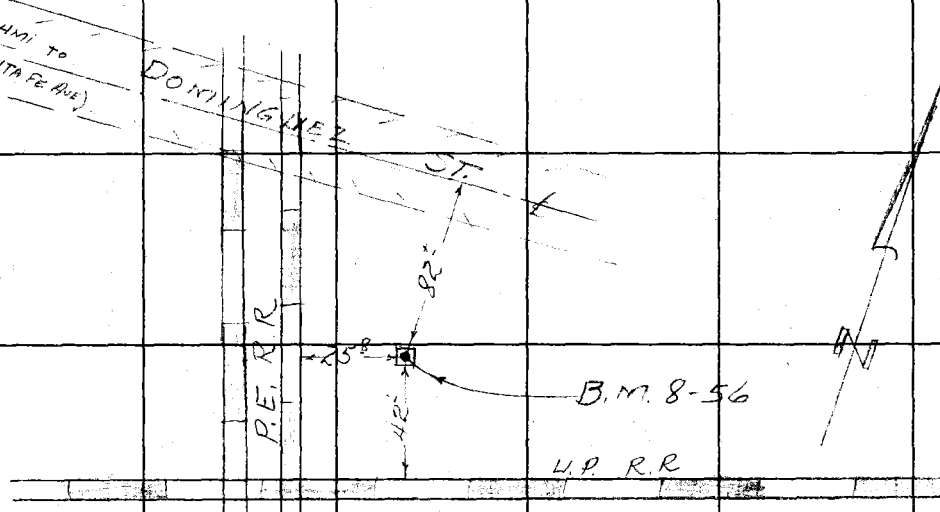
NOT RECOVERED PROBABLY DESTROYED (1956 B.S.D.)

B.M. 8-56 (L.A.Co. RD. DEPT 54)

DOMINGUEZ ST., 0.4 MILE EAST OF SANTA FE AVE, NEAR THE INTERSECTION OF THE RAILROAD TRACKS, A STANDARD ROAD DEPT. BRASS DISK STAMPED "B.M. 54 L.A.Co. RD. DEP."

SET FLUSH WITH THE SURFACE IN THE TOP OF A CONCRETE POST 82 FT SOUTH OF THE ℄ OF DOMINGUEZ ST, 42.1 FT NORTHERLY FROM THE NORTHERLY RAIL OF THE UNION PACIFIC R.R. AND 25.8 FT EASTERLY FROM THE EASTERLY RAIL OF THE PACIFIC ELECTRIC R.R.

L.A.Co. 1952 Adj. Elev. 45.885



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of C. Precise Level Net
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by H. F. Naumann
Checked	Notes G. E. [illegible] Date [illegible]
Date	Indexed

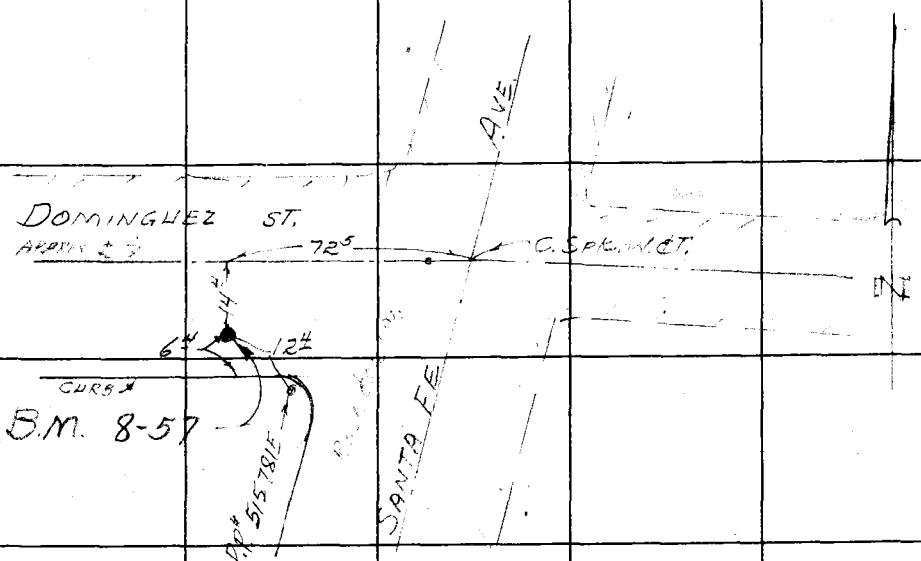
F. B. 1207 PG. 57

B.M 8-57

SANTA FE AVE & DOMINGUEZ ST., A ~~STANDARD~~ L.A. COUNTY SURVEYOR ~~MONUMENT~~ 2½" Button Brass Cap STAMPED "B.M 8-57 ~~1951~~ 1951 R.E. 63" SET IN CONCRETE 10 INCHES BELOW THE SURFACE 14.4 FT S OF THE ℄ OF DOMINGUEZ ST AND 72.5 FT W OF THE ℄ INTERSECTION OF SANTA FE AVE IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. Elev. = 31.907 ✓

F.E.B. 28 June 65



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1209 PG. 18

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DOEIER Time 11:10 TO 12:00 Rod No. 788

Name L.A. Co. PRECISE LEVEL
Job No. 4923
From B.M. 1-1 To B.M. 1-1
Date 12-10-51
Index [illegible] 12-26-51

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.876		204		#7	6.482		214		
	4.672		204			6.268		212		BM 1-1 (U.S. 42)
	4.468		408			6.056		426		SEE F.B. 1202
1	14.016	4.672		408	68°	18.806	6.269		426	FOR DESCRIPTION
	5.610		218			5.208		210		BY H.F. NAUMANN
	5.392		216			4.998		208		
	5.176		434			4.790		418		
2	16.178	5.393		844		14.996	4.999		844	
	5.426		213			5.883		213		
	5.213		212			5.670		211		
	5.001		425			5.459		424		
3	15.640	5.213		1,269		17.012	5.671		1,268	
	5.325		212			5.713		215		
	5.156		212			5.495		214		
	4.944		424			5.284		429		
4	15.468	5.156		1,697		16.492	5.498		1,697	
	5.416		214			5.862		213		
	5.202		212			5.649		211		
	4.990		426			5.438		424		
5	15.608	5.203		2,121		16.949	5.650		2,121	
		25.637					28.087			

F.B. 1209 PG. 116

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAHMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:10 To 12:00 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-1 To B.M. 8-1
Date 12-10-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5458	25.637	213	2.13 17		5827	25.087	214	2.121	
	5.245		213			5.613		213		
	5.032		426	3		5.400		427		
6	15.735	5.245		2.547		16.840	5.613		2.548	
	5394		213			5.803		212		
	5.181		213			5.591		212		
	4968		426	69		5379		424		
7	15.543	5.181		2.972		16.773	5.591		2.972	
	5428		213			5.901		213		
	5.215		213			5.658		211		
	5.002		426	5		5.477		424		
8	15.645	5.215		3.396		17.066	5.689		3.396	
	5450		212			5.880		213		
	5.238		210			5.667		215		
	5.028		422	17		5.452		428		
9	15.716	5.239		3.824		16.919	5.666		3.824	
	5.452		154			5.673		154		
	5.298		155			5519		152		
	5143		309	26		5367		306		
10	15.893	5.298		4.130		16.559	5.520		4.130	
		51.815					56.166			

F.B. 269 PG. 50

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:10 To 12:00 Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-1 To B.M. 8-1
Date 12-10-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.379	51.815 ✓	190	4.1~~30~~26 ✓		5.862	56.166 ✓	190	4.130 ✓	
	5.189		189			5.672		190		
	5.000		379 ✓			5.482		380 ✓		
11	15.568	5.189 ✓		4.5~~49~~05 ✓		17.016 ✓	5.672 ✓		4.510 ✓	
	5.350		192			6.947		191		
	5.158		190			6.756		192		B.M. 8-1
	4.968		382 ✓			6.564		383 ✓		SEE F.B. 1209-6
12	15.476	5.159 ✓		4.8~~97~~87 ✓	69°	20.267 ✓	6.756 ✓		4.893 ✓	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 1-1 TO B.M. 8-1
										62.163 ✓
										TOTAL BACKSIGHTS + ~~61.895~~
										TOTAL FORESIGHTS − 68.594
										DIFF IN ELEVATION − ~~6.677~~
										− 6.431 ✓
		62.163 ✓ ~~61.895~~					68.594 ✓			

F.B. 1209 PG. 51

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 11:10 Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-1 To B. 8-1
Date 12-10-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
F.B. 1209 PG. 52										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:10 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-1 To B.M. 8-2
Date 12-10-51
Indexed A. O. J. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5721		212		#7	6096		213		
	5509		212			5883		211		B.M 8-1
	5297		424			5672		424		SEE F B 1207-6
1.	16527	5.509		424	73°	17651	5.884		424	FOR DESCRIPTION
	4770		211			5857		211		
	4559		211			5646		213		T G E DREIER
	4348		422			5433		424		
2	13677	4.559		846		16936	5.645		848	
	5284		197			5570		227		
	5087		196			5343		224		
	4891		393			5119		451		
3.	15262	5.087		1239		16032	5.344		1299	
	5123		222			5601		199		
	4901		222			5402		197		
	4679		444			5205		396		
4	14703	4.901		1.683		16208	5.403		1695	
	7313		250			6311		246		
	7063		251			6065		244		
	6812		501			5821		490		
5.	21188	7.063		2.184		18197	6.066		2185	
		27.119					28.342			

F.B. [illegible] PG. 5[illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 1:30-2:10 P.M. Rod No. 788

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From B.M 1-1 To B.M 8-2
Date 12-15-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6050	27.119	213	2184		5167	28.342	213	2185	
	5837		214			4954		211		
	5623		427			4743		424		
6	17510	5837		2611		14864	4955		2609	
	5679		209			4891		212		
	5470		211			4679		211		
	5259		420			4468		423		
7	16408	5469		3031		14038	4679		3032	
	5812		221			5100		224		
	5591		221			4876		224		
	5370		442			4652		448		SUMMATION OF RUN
8	16773	5591		3473		14628	4876		3480	BM 8-1 TO BM 8-2
	5803		164			5189		165		TOTAL BACKSIGHTS + 55.411
	5637		166			5024		164		" FORESIGHTS − 54.449
	5473		330			4860		329		DIFF. IN ELEVATION +0.962
F.B. 1209 PG. 54 9	16915	5638		3803		15073	5024		3809	
	5922		165			6734		161		
	5757		166			6573		161		BM 8-2
	5591		331			6412		322		SEE F.B 1209-7
10	17270	5757		4134	73°	19719	6573		4131	FOR DESCRIPTION
	55411					54449				

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather CLEAR & WINDY Inst. No. 50010
Notes by S. SHINODA Time 2:15-3:00 P.M. Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-2 To B.M. 8-1
Date 12-10-51
Indexed R. G. JOHNSON

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6741		163		#7	5923		164		
	6578		165			5759		164		BM 8-2
	6413		328			5595		328		SEE F.B. 1207-8
1	19732	6.577		328	732	17277	5.759		328	FOR DESCRIPTION
	5114		163			5731		165		
	4951		163			5566		165		* G.E. DREYER
	4788		326			5401		330		
2	14853	4.951		654		16698	5.566		658	
	5099		224			5815		222		
	4875		222			5593		222		
	4653		446			5371		444		
3	14627	4.876		1100		16779	5.593		1102	
	4784		211			5574		212		
	4573		211			5362		211		
	4362		422			5151		423		
4	13719	4.573		1522		16087	5.362		1525	
	5036		213			5921		214		
	4823		211			5707		212		
	4612		424			5495		426		
5	14471	4.824		1946		17123	5.708		1951	
		25.801					27.988			

F.B. 1207 PG. 55

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR & WARM Inst. No. 50010
Notes by S. SHINODA Time 2:15-3:20 P.M. Rod No. 728

Name L.A.Co Precise Level Net
Job No. 49-3
From BM 8-2 To BM 8-1
Date 12-10-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5651	25.89	248	1.946		6651	27.968	249	1.951	
	5403		247			6402		250		
	5156		495			6152		499		
6.	16210	5.403		2.441		19205	6.402		2.450	
	5393		211			4890		210		
	5182		210			4680		210		
	4972		421			4470		420		
7	15547	5.182		2.862		14040	4.680		2.870	
	5579		221			5308		205		
	5358		219			5103		203		SUMMATION OF RUN
	5139		440			4900		408		BM 8-2 TO BM 8-1
8	16076	5.359		3.302		15311	5.104		3.278	
	5850		208			4774		215		TOTAL BACKSIGHTS +52.991
	5642		205			4557		217		" FORESIGHTS −53.960
	5437		415			4342		432		DIFF. IN ELEVATION −0.969
9.	16929	5.643		3.715		13675	4.558		3.710	
	5817		215			5441		213		
	5602		212			5228		212		BM 8-1
	5390		427			5016		425		SEE F.B. 1209-7
10.	16809	5.603		4.142	72°	15685	5.228		4.135	FOR DESCRIPTION
	52.991					53.960				

F.B. 1209 PG. 56

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:10-3:45 PM Rod No. 7 & 8

Name L.A. CO. PRESERVE LIVE LIFE
Job No. 4923
From BM 8-1 To BM 1-1
Date 12-10-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6371		191		#7	4775		192		
	6180		191			4583		191		BM 8-1
	5989		382			4392		383		SEE F.B. 1094-7
1.	18540	6.180		382	72°	13750	4.583		383	FOR DESCRIPTION
	5338		191			4853		189		
	5147		190			4664		190		TGE. DREIER
	4957		381			4474		379		
2.	15442	5.147		763		13991	4.664		762	
	5273		152			5052		154		
	5121		152			4898		155		
	4969		304			4743		309		
3.	15363	5.121		1067		14693	4.898		1071	
	5627		216			5194		212		
	5411		213			4982		211		
	5198		429			4771		423		
4	16236	5.412		1496		14947	4.982		1494	
	5562		211			5090		214		
	5351		211			4876		213		
	5140		422			4663		427		
5.	16053	5.351		1918		14629	4.876		1921	
		27.211					24.003			

F.B. 1008 PG. 57

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 3:10 - 3:40 Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4925
From BM 8-1 To BM 1-1
Date 12-10-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5462	27.211	212	1918		5055	24.203	213	1921	
	5251		212			4842		211		
	5039		424			4631		424		
6	15753	5.251		2342		14528	4.843		2345	
	5324		213			4951		212		
	5111		214			4739		211		
	4897		427			4528		423		
7	15332	5.111		2769		14218	4.739		2768	
	5391		213			4943		212		
	5178		212			4731		212		
	4966		425			4519		424		
8	15535	5.178		3.194		14193	4.731		3.192	
	5211		213			4867		211		
	4998		215			4656		213		
	4793		428			4443		424		
9	14992	4.997		3.622		13966	4.655		3.616	
	5503		213			5048		215		
	5290		211			4833		213		
	5079		424			4620		428		
10	15872	5.291		4.046		14501	4.834		4.044	
		53.039					47.805			

F.B. 1205 PG. 58

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:10 - 3:45 PM Rod No. 7 & 8

Name LA Co PRECISE LEVEL NET
Job No. 4923
From BM 8-1 To BM 1-1
Date 12-10-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4953	53.0[illegible]	212	4046		5345	47805	212	4.044	
	4741		211			5133		211		
	4530		423			4922		423		
11	14224	4741		4469		15400	5133		4467	
	6538		214			4928		204		
	6325		214			4724		202		BM 1-1 (US 42)
	6111		428			4522		406		SEE F.B. 1202
12	18975	6.3[illegible]		4897	6[illegible]	14174	4725		4873	FOR DESCRIPTION
										SUMMATION OF RUN BM 8-1 TO BM 1-1
										TOTAL BACKSIGHTS + 64.105
										" FORESIGHTS - 57.663
										DIFF. IN ELEVATION + 6.442
		64.105					57.663			

F.B. 1209 PG. 59

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1209 PG. 60

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAWIDANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 8:30 TO 9:50 A.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL
Job No. 4923
From B.M. 8-2 To B.M. 8-3
Date 12-11-51
Indexed A. C. JOLLA

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.732		211		#7	5.228		213		
	6.521		212			5.015		212		B.M. 8-2
	6.309		423 ✓			4.803		425 ✓		SEE F.B. 1229-7
1	19.562 ✓	6.521 ✓		.423 ✓	54°	15.046 ✓	5.015 ✓		.425 ✓	FOR DESCRIPTION
	5.400		213			5.213		213		T. E. LANDA
	5.187		214			5.000		210		
	4.973		427 ✓			4.791		423 ✓		
2	15.560 ✓	5.187 ✓		.850 ✓		15.003 ✓	5.001 ✓		.848 ✓	
	5.656		214			5.272		212		
	5.442		213			5.060		211		
	5.229		427 ✓			4.849		423 ✓		
3	16.327 ✓	5.442 ✓		1.277 ✓		15.181 ✓	5.060 ✓		1.271 ✓	
	5.518		213			5.255		213		
	5.305		210			5.042		212		
	5.095		423 ✓			4.830		425 ✓		
4	15.918 ✓	5.306 ✓		1.700 ✓		15.127 ✓	5.042 ✓		1.696 ✓	
	5.552		211			5.260		211		
	5.321		211			5.049		211		
	5.110		422 ✓			4.838		422 ✓		
5	15.963 ✓	5.321 ✓		2.122 ✓		15.147 ✓	5.049 ✓		2.118 ✓	
		27.777 ✓					25.167 ✓			

F.B. 1229 PG. 61

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO 9:50 AM Rod No. 7 88

Name L.A. CO. PRECISE LEV
Job No. 4923
From B.M. 8-2 To B.M. 8-3
Date 12-11-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5648	27.777	213	2.122		5172	25.767	213	2.118	
	5435		213			4.959		211		
	5222		426			4.748		424		
6	16.305	5.435		2.548		14.879	4.960		2.542	
	5.559		209			5.298		228		
	5.350		209			5.071		228		SUMMATION OF RUN
	5.141		418			4.843		455		B.M. 8-2 TO B.M. 8-3
7	16.050	5.350		2.966		15.212	5.071		2.998	
	5452		197			5.200		212		TOTAL BACKSIGHTS + 49.095
	5.255		197			4.988		213		TOTAL FORESIGHTS - 46.294
	5.058		394			4.775		425		DIFF IN ELEVATION + 2.801
8	15.765	5.255		3.360		14.963	4.988		3.423	
	5478		201			6259		151		
	5.277		199			6.108		150		B.M. 8-3 (ARTESIA G-4)
	5.078		400			5.958		301		SEE F.B. 1209-8
9	15.833	5.278		3.760	55°	18.325	6.108		3.724	FOR DESCRIPTION

F.B. 1209, PG. 62

49.095 46.294

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 9:50 TO 10:35 AM. Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-3 To B.M. 8-2
Date 12-11-51
Indexed R. C. JONES

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.340		175		±7	5.512		176		
	6.165		173			5.336		177		B.M. 8-3 (ARTESIA 5-4)
	5.992		348			5.159		353		SEE F.B. 1209-8
1	18.497	6.166		348	55°	16.007	5.336		353	FOR DESCRIPTION
	5.166		205			5.438		208		TT E. LANDA
	4.961		203			5.230		205		
	4.758		408			5.025		413		
2	14.885	4.962		756		15.693	5.231		766	
	5.319		220			5.592		214		
	5.099		221			5.378		216		
	4.878		441			5.162		430		
3	15.296	5.099		1.197		16.132	5.377		1.196	
	5.278		212			5.755		213		
	5.065		212			5.542		212		
	4.853		425			5.330		425		
4	15.196	5.065		1.622		16.627	5.542		1.621	
	5.239		211			5.508		210		
	5.028		210			5.298		210		
	4.818		421			5.088		420		
5	15.085	5.028		2.043		15.894	5.298		2.041	
		26.320					26.784			

F.B. 1209 PG. 69

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by C.E. DREIER Time 9:50 TO 10:35 A.M. Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-3 To B.M. 8-2
Date 12-11-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.250	26.320	212	2043		5.512	26.384	212	2041	
	5.038		213			5.300		212		
	4.825		425			5.090		422		
6	15.113	5.038		2468		15.902	5.301		2463	
	5.198		214			5.578		215		SUMMATION OF RUN
	4.984		212			5.363		213		B.M. 8-3 TO B.M. 8-2
	4.772		426			5.150		428		
7	14.954	4.985		2894		16.091	5.364		2891	
	5.220		212			5.407		213		TOTAL BACKSIGHTS + 46.333
	5.008		213			5.194		212		TOTAL FORESIGHTS - 49.130
	4.795		425			4.982		425		DIFF IN ELEVATION - 2797.
8	15.023	5.008		3319		15.583	5.194		3316	
	5.194		213			6.698		210		B.M. 8-2
	4.981		210			6.488		213		SEE F.B. 1209-7
	4.771		423			6.275		423		FOR DESCRIPTION
9	14.946	4.982		3742	590	19.461	6.487		3739	

F.B. 1209 PG. 64

46.333 49.130

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHIMODA Time 10:45-11:20 A.M. Rod No. 7 C 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-3 To B.M. 4
Date 12-11-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5113		211		#7	5420		212		
	4902		211			5208		211		B.M. 8-3 (ARTESIA G-4)
	4692		422			4997		423		SEE F.B. 1201-8
1.	14707	4.902		422		15625	5.208		423	FOR DESCRIPTION
	4519		210			6472		212		
	4309		212			6260		211		TGE DRIER
	4097		422			6049		423		
2	12925	4.308		844		18781	6.260		846	
	5258		211			5871		212		
	5042		211			5659		211		
	4831		422			5448		423		
3	15126	5.042		1266		16978	5.659		1269	
	4743		212			5939		216		
	4531		211			5723		212		
	4320		423			5511		428		
4	12594	4.531		1689		17173	5.724		1697	
	4985		213			5831		212		
	4772		211			5619		211		
	4561		424			5408		423		
5	14318	4.773		2.113		16858	5.619		2.120	
		23.552					28.470			

F.B. 1209 PG. 15

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 10:45 - 11:20 AM Rod No. 708

Name L.A.Co. PRECISE LEVEL N-T
Job No. 4923
From B.M. 8-3 To B.M. 8-4
Date 12-11-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4982 3556		212 2113			5709 2170		213 2120		
	4770		212			5496		214		
	4558		424			5282		427		
6	14310	4.770		2537		16487	5.496		2547	
	5801		214			5517		215		
	5587		214			5302		212		SUMMATION OF RUN
	5373		428			5090		427		BM 8-3 TO BM 8-4
7	16761	5.587		2765		15909	5.303		2974	
	5417		229			6219		228		TOTAL BACKSIGHTS 43.691
	5188		228			6061		227		" FORESIGHTS - 51.889
	4960		457			5834		455		DIFF. IN ELEVATION - 8.198
8	15565	5.188		3422		18114	6.038		3429	
	4819		229			6782		223		
	4590		230			6559		223		B.M. 8-4 (ARTESIA G 5)
	4360		459			6336		446		SEE F B 1209-9
9	13769	4.590		3881		19677	6.559		3875	FOR DESCRIPTION
					60°					
		43.691					51.889			

F.B. 1209 PG. 66

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H F NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S SHINODA Time 2:40 - 3:00 PM Rod No. 7 & 8

Name L A Co PRECISE [illegible]
Job No. 4923
From BM 8-4 To B[illegible] 8-3
Date 12-11-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6910		226		#7	4941		228		
	6684		225			4713		225		B.M. 8-4 (ARTESIA G 5)
	6459		451			4488		453		SEE F.B. 1209-[illegible]
1.	20053	6.684		.451	58°	14142	4714		453	FOR DESCRIPTION
	6318		227			5443		227		
	6091		228			5216		227		π G.E. DREIER
	5863		455			4989		454		
2	18272	6.091		.906		15648	5.216		.907	STOPPED 3:00 PM 12-1-51
	5857		214			6140		214		
	5643		213			5926		213		
	5430		427			5713		427		
3	16930	5.643		1.333	58°	17779	5.926		1.334	BEGAN 8:50 AM 12-[illegible]-51
	5970		213			5243		211		
	[illegible]		214			5032		212		
	5543		427			4820		423		
4	17270	5.757		1.760		15095	5.032		1.757	
	5718		215			4866		212		
	5503		212			4654		211		
	529		427			4443		423		
5.	16512	5.504		2.187		13963	4.654		2.180	
		29.679					25542			

F.B. 1209 PG. 67

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:50-9:15 AM Rod No. 7 & 8

Name LA Co PRECISE LEVEL No
Job No. 4925
From BM 8-4 To BM 8-3
Date 12-12-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6236	29.679	214	2187		5040	25.542	211	2180	
	6022		212			4829		212		
	5810		426			4617		423		
6	18068	6.023		2613		14486	4.829		2603	
	6160		212			5543		212		
	5948		210			5331		213		SUMMATION OF RUN
	5738		422			5118		425		BM 8-4 TO BM 8-3
7	17846	5.949		3035		15992	5.331		3028	
	6939		211			4989		214		TOTAL BACKSIGHTS +54.268
	6728		211			4775		213		" FORESIGHTS −46.06
	6517		422			4562		427		DIFF IN ELEVATION +8.207
8	20184	6.728		3457		14326	4.775		3455	
	6102		213			5798		214		
	5889		214			5584		213		BM 8-3 (ARTESIA G-4)
	5675		427			5371		427		SEE F.B 1209-8
9	17666	5.889		3884	62°	16753	5.584		3882	FOR DESCRIPTION
		54.268					46.061			

F.B. 1209 PG. 68

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 11:20-12:00AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-4 To B.M. 2-5
Date 12-11-51
Indexed A.C. J.P.

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4921		222		47	6038		221		
	4699		221			5817		221		B.M. 8-4 (ARTESIA - 5)
	4478		445			5596		442		SEE F.B. 1209-7
1	14097	4.699		443	60°	17451	5.817		442	FOR DESCRIPTION
	4691		212			5827		215		
	4479		212			5612		213		A G.E DRAIN
	4267		424			5399		428		
2	13437	4.479		867		16838	5.613		870	
	5567		216			6043		212		
	5351		215			5831		212		
	5136		431			5619		424		
3	16054	5.351		1298		17493	5.831		1294	
	5183		213			5746		214		
	4970		212			5532		213		
	4758		425			5319		427		
4	14911	4.970		1723		16597	5.532		1721	
	5063		212			5724		213		
	4851		213			5511		213		
	4638		425			5298		426		
5	14552	4.851		2148		14533	5.511		2147	
		24.350					28.304			

F.B. 1209 PG. 69

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 11:20-12:00 AM Rod No. 7 & 8

Name L.A.Co PRECISE LEVEL NET
Job No. 4923
From B.M. 8-4 To B.M. 8-5
Date 12-11-51
Indexed A. C. JOHNSON

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5124	24.350 ✓	214	2148 ✓		5401	[illegible] ✓	216	2147 ✓	
	4910		216			5185		215		
	4694		430 ✓			4970		431 ✓		
6	14728 ✓	4.909 ✓		2.578 ✓		15556 ✓	5.185 ✓		2.578 ✓	
	4989		215			5579		215		
	4774		212			5364		215		SUMMATION OF RUN
	4562		427 ✓			5149		430 ✓		B.M. 8-4 TO B.M. 8-5
7.	14325 ✓	4.775 ✓		3.005 ✓		16092 ✓	5.364 ✓		3.008 ✓	
	5071		212			5343		212		TOTAL BACKSIGHTS +43.903 ✓
	4859		212			5131		211		" FORESIGHTS −51.593 ✓
	4647		424 ✓			4920		423 ✓		DIFF. IN ELEVATION −7.690 ✓
8.	14577 ✓	4859 ✓		3.429 ✓		15394 ✓	5.131 ✓		3.431 ✓	
	5221		211			7821		212		
	5010		212			7609		213		B.M. 8-5 (ARTESIA G-5A)
	4798		423 ✓			7396		425 ✓		SEE F.B. 1209-10
9.	15029 ✓	5.010 ✓		3.852 ✓	60°	22826 ✓	7.609 ✓		3.856 ✓	FOR DESCRIPTION
		43.903 ✓					51.593 ✓			

F.B. 1209 PG. 70

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINOOA Time 1:20-2:35 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 8-5 To E - 8-4
Date 12-11-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8140		212		#7	5543		213		
	7928		211			5330		211		BM 8-5 (ARTESIA G[illegible])
	7717		423			5119		424		SEE F.B 1209-10
1.	23785	7.928		423	59°	15992	5.331		424	FOR DESCRIPTION
	5320		212			5049		212		
	5111		212			4837		214		R G E DRIVER
	4899		424			4623		426		
2	15333	5.111	2	8~~6~~7 4		14509	4.836		850	
	5408		216			4818		215		
	5192		213			4603		212		
	4979		429			4391		427		RAIN [illegible]
3	15579	5.193		12~~6~~6 7		13812	4.604		1277	
	5269		215			4991		214		
	5054		214			4777		215		
	4840		429			4562		429		
4.	15163	5.054		1.~~69~~5 70		14330	4.777		1706	
	5784		215			5120		220		
	5569		214			4910		211		
	5355		429			4699		421		
5.	16708	5.569		21~~2~~4 3		14729	4.910		2127	
		28.855					24.458			

F.B. 1209 PG. 71

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Overcast Inst. No. 500.10
Notes by S. Shinoda Time 1:20-2:35 Rod No. 7 & 8

Name L.A.Co. Precise Level N-1
Job No. 4923
From BM 8-5 To BM 8-4
Date 12-11-51
Indexed A. D. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5698 28.855		215 214 3			5132 24.458		213	2.127	
	5483		212			4919		213		
	5271		427	6		4706		426		
6	16452	5484		2.581		14757	4.919		2.553	
	5824		212			5348		216		
	5612		212			5132		215		Summation of Run
	5400		424	8		4917		431		BM 8-5 to BM 8-4
7.	16836	5612		2.985		15397	5.132		2.984	
	6193		215			5052		210		Total Backsights +51.875
	5978		216			4842		210		" Forasights − 44.178
	5762		431	1		4632		420		Diff. in Elevation + 7.697
8	17933	5978		3.406		14526	4.842		3.464	
	6168		222			5050		223		
	5946		223			4827		222		BM 8-4 (Artesia G-5)
	5723		445	6		4605		445		See F.B. 1209-9
9.	17837	5946		3.981	58°	14482	4.827		3.849	for description

F.B. 1209 PG. 22

51.875 44.178

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:25-9:35 AM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NE
Job No. 4923
From BM 8-5 To BM 8-5A
Date 12-12-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
					#7					BM 8-5 (ARTESIA G-5A) SEE F.B. 1209-10 FOR DESCRIPTION
					62°					
	6376		049			5163		050		
	6347		049			5113		050		
	6298		098			5063		100		
1.	19041	6.347		098		15339	5.113		100	
										BM 8-5A (US BM [illegible] 779, 194) SEE F.B. 1209-10 FOR DESCRIPTION
	5207		049		#8	6442		050		
	5158		049			6392		049		
	5109		098			6343		099		
2.	15474	5.158		098		19177	6.392		099	
										BM 8-5 (ARTESIA G-5A) SEE F.B. 1209-10 FOR DESCRIPTION

F.B. 1219 PG. 72

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 74										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:35 - 10:05 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 8-5 To BM 8-6
Date 12-12-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7329		158		#7	5211		155		
	7171		158			5056		156		BM 8-5 (ARTESIA G 5A)
	7013		316			4900		311		SEE F.B. 1204 10
1.	21513	7.171		.316	62°	15167	5.056		.311	FOR DESCRIPTION
	5720		158			5223		155		
	5562		154			5068		156		T.G.E. DREIER
	5408		312			4912		311		
2	16690	5.563		.628		15203	5.068		.622	
	5643		214			5767		215		
	5429		212			5552		211		
	5217		426			5341		426		
3	16289	5.430		1.054		16660	5.553		1.048	
	5450		213			5718		213		
	5237		213			5505		213		
	5024		426			5292		426		
4	15711	5.237		1.480		16515	5.505		1.474	
	5432		213			5634		214		
	5219		212			5420		214		
	5007		425			5206		428		
5.	15658	5.219		1.905		16260	5.420		1.902	
		28.620					26.602			

F.B. 1209 PG. 36

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:35 - 10:05 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-5 To BM 8-6
Date 12-12-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5372	28.620	212	1.905		5639	26.602	216	1.902	
	5160		212			5423		213		
	4948		424			5210		429		
6	15480	5.160		2.329		16272	5.424		2.331	
	5432		211			5748		214		
	5221		211			5534		212		
	5010		422			5322		426		
7.	15663	5.221		2.751		16604	5.535		2.757	
	5402		211			5750		213		
	5191		212			5537		212		SUMMATION OF RUN
	4979		423			5325		425		BM 8-5 TO BM 8-6
8	15572	5.191		3.174		16612	5.537		3.182	
	5470		213			5779		212		TOTAL BACKSIGHTS +54.456
	5257		212			5567		214		" FORESIGHTS -54.577
	5045		425			5353		426		DIFF IN ELEVATION -0.121
9	15772	5.257		3.599		16699	5.566		3.608	
	5220		213			6127		214		
	5007		214			5913		213		BM 8-6
	4793		427			5700		427		SEE F.B. 1209-11
10	15020	5.007		4.026	62°	17740	5.913		4.035	FOR DESCRIPTION
		54.456					54.577			

F.B. 1209 PG. 76

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather PARTLY CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:10-1:55 P.M. Rod No. 7 & 8

Name L. A. CO PRECISE LEVEL NET
Job No. 4923
From BM 8-6 To BM 8-5
Date 12-12-51
Indexed A. O. JOZZ[illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6103		212		#7	5198		215		
	5891		213			4983		213		BM 8-6
	5678		425			4770		428		SEE F.B. 1209-1
1	17672	5891		425	66°	14951	4.984		428	FOR DESCRIPTION
	5763		211			5454		214		
	5552		212			5240		213		X G E DREIER
	5340		423			5027		427		
2	16655	5.552		848		15721	5.240		855	
	5707		214			5361		212		
	5493		211			5149		212		
	5282		425			4937		424		
3	16482	5.494		1273		15447	5.149		1279	
	5723		213			5411		211		
	5510		212			5200		213		
	5298		425			4987		424		
4	16531	5.510		1.698		15598	5.199		1703	
	5599		213			5332		213		
	5386		214			5119		211		
	5172		427			4908		424		
5	16157	5.386		2.125		15359	5.120		2.127	
		27.833					25.692			

F.B. [illegible] PG. 77

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10-1:55 PM Rod No. 7 & 8

Name LA Co PRECISE LEVEL NET
Job No. 4923
From BM 8-6 To BM 8-5
Date 12-12-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5602	27.833	214	2125		5398	25.692	213	2127	
	5388		214			5185		213		
	5174		428			4972		426		
6	16164	5.388		2553		15555	5.185		2553	
	5655		213			5385		212		
	5442		212			5173		211		
	5230		425			4962		423		
7	16327	5.442		2978		15520	5.173		2976	
	5730		213			5603		212		
	5517		212			5391		212		SUMMATION OF RUN
	5305		425			5179		424		BM 8-6 TO BM 8-5
8	16552	5.517		3403		16173	5.39[illegible]		3400	
	5213		155			5709		156		TOTAL BACKSIGHTS +54.38[illegible]
	5058		156			5553		155		" FORESIGHTS −54.26[illegible]
	4902		311			5398		311		DIFF. IN ELEVATION +0.125
9	15173	5.058		3714	66°	16660	5.553		3711	
	5306		157			7424		156		
	5149		157			7268		157		BM 8-5
	4992		314			7111		313		SEE F.B. 1209-10
10	15447	5.149		4028		21803	7.268		4024	FOR DESCRIPTION
		54.387					54.262			

F.B. 1209 PG. 78

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:35-11:30 AM Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4923
From BM 8-6 To BM 8-7
Date 12-12-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6718		180		#7	5048		183		
	6538		180			4865		180		BM 8-6
	6358		360			4685		363		SEE F.B. 1209-11
1	19614	6.538		360	62°	14598	4.866		363	FOR DESCRIPTION
	5765		183			5235		183		
	5582		183			5052		184		T.E. LANDA
	5399		366			4868		367		
2	16746	5.582		726		15155	5.052		730	
	5008		210			5280		211		
	4798		213			5069		214		
	4585		423			4855		425		
3	14391	4.797		1.149		15204	5.068		1.155	
	5152		213			5360		215		
	4939		211			5145		213		
	4728		424			4932		428		
4	14819	4.940		1.573		15437	5.146		1.583	
	5605		215			5252		212		
	5390		215			5040		210		
	5175		430			4830		422		
5	16170	5.390		2.003		15122	5.041		2.005	
		27.247					25.173			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:35-11:30 AM Rod No. 7 & 8

Name LACo PRECISE LEVEL NET
Job No. 4923
From BM 8-6 To BM 8-7
Date 12-12-56
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5485	27.247	215	2.003		5068	25.173	213	2.005	
	5270		212			4855		213		
	5058		427			4642		426		
6	15813	5.271		2.430		14565	4.855		2.431	
	5580		213			5042		214		
	5367		213			4828		216		SUMMATION OF RUN
	5154		426			4612		430		BM 8-6 TO BM 8-7
7	16101	5.367		2.856		14482	4.827		2.861	
	5550		213			5015		214		TOTAL BACKSIGHTS +48.497
	5337		215			4801		213		" FORESIGHTS -44.428
	5122		428			4588		427		DIFF. IN ELEVATION + 4.007
8	16009	5.336		3.284		14404	4.801		3.288	
	5490		214			4980		208		
	5276		214			4772		207		BM 8-7 (US 2192)(MS)
	5062		428			4565		415		SEE F.B. 1209-
9.	15828	5.276		3.712	62°	14317	4.772		3.703	FOR DESCRIPTION
		48.497					44.428			

F.B. 1209 PG. 80

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather PARTLY CLOUDY Inst. No. 500.10
Notes by S. SHINODA Time 11:30-12:05 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELING
Job No. 4923
From BM 8-7 To BM 8-6
Date 12-12-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5008		208		#7	5515		215		
	4800		210			5300		215		B.M. 8-7 (US 2190) M51)
	4590		418			5085		430		SEE F.B. 1209-12
1	14398	4.799		418	62°	15900	5.300		430	FOR DESCRIPTION
	4955		215			5492		214		
	4740		212			5278		213		T. E. LANDA
	4528		427			5065		427		
2	14223	4.741		845		15835	5.278		857	
	4942		214			5470		213		
	4728		216			5265		213		
	4512		430			5052		426		
3	14182	4.727		1275		15795	5.265		1283	
	4935		215			5352		214		
	4720		212			5138		215		
	4508		427			4923		429		
4	14163	4.721		1702		15413	5.138		1712	
	5099		214			5448		216		
	4885		213			5232		214		
	4672		427			5018		430		
5	14656	4.885		2129		15698	5.233		2142	
		23.873					26.214			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather PARTLY CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30-12:00 PM Rod No. 7 & 8

Name LA Co PRECISE LEVEL NET
Job No. 4923
From BM 8-7 To BM 8-6
Date 12-12-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5341	23.873	215	2129		5132	22.942	210	2142	
	5126		216			4922		211		
	4910		431			4711		421		
6	15377	5.126		2560		14765	4.922		2563	
	5228		215			4951		211		
	5013		213			4740		210		SUMMATION OF RUN
	4800		428			4530		421		B.M 8-7 TO B.M 8-6
7	15041	5.014		2988		14221	4.740		2984	8
	5250		185			5783		182		TOTAL BACKSIGHTS + 43.15 ✓
	5065		185			5.601		182		- FORESIGHTS - 47.928 ✓
	4880		370			5419		364		DIFF. IN ELEVATION - 4.070 ✓
8	15195	5.065		3.358		16803	5.601		3348	
	4959		179			6632		181		
	4780		178			6451		181		BM 8-6
	4602		357			6270		362		SEE F.B. 1209-11
9	14341	4.780		3.715	64°	19353	6.451		3.710	FOR DESCRIPTION

F.B. 1209 PG. 82

~~43.864~~
43.151 ✓

47.928 ✓

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather PARTLY CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:00-2:40 P.M. Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM 8-7 To B[illegible] 8-11
Date 12-12-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5716		100		#7	6741		100		
	5616		100			6641		100		BM 8-7 (U.S. 2192, [illegible])
	5516		200			6541		200		SEE F.B. 1209-12
1	16848	5.616		.200	66°	19923	6.641		200	FOR DESCRIPTION
										* G.E. DREIER
										BM 8-8 (U.S. 3925, 76 [illegible])
										SEE F.B. 1209-12
										FOR DESCRIPTION
	6547		029			6076		030		
	6518		028			6046		029		
	6490		057			6017		059		
2	19555	6518		.257		18139	6.046		.259	
		12.134					12.687			
										BM 8-9 (U.S. 3926) 177 [illegible]
										SEE F.B. 1209-13
										FOR DESCRIPTION
	5231		154			5164		156		
	5077		154			5008		157		
	4923		308			4851		313		
3	15231	5.077		0.565		15023	5.008		.572	
		17.211					17.695			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Partly Cloudy Inst. No. 50010
Notes by S. Shinoda Time 2:00-2:40 P.M. Rod No. 78

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 8-7 To BM 8-
Date 12-12-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5258	17.211	149	565		5017	17.595	149	572	
	5109		148			4868		147		
	4961		297			4721		296		
4.	15328	5109		862		14606	4869		868	
	4948		215			5565		213		
	4733		211			5352		212		
	4522		426			5140		425		
5	14203	4734		1288		16057	5352		1293	
	4562		212			5210		211		
	4350		211			4999		210		
	4139		423			4789		421		
6.	13051	4350		1711		14998	4999		1714	
	4918		213			5277		215		
	4705		213			5062		212		
	4492		426			4850		427		
7.	14115	4705		2137		15189	5063		2141	
	4924		212			4880		213		
	4712		212			4667		215		
	4500		424			4452		428		
8.	14136	4712		2561		13999	4666		2569	
		40.821					42.044			

F.B. 1205 PG. 22

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather PARTLY CLOUDY Inst. No. 50010
Notes by S. SHINOCA Time 2:00 - 2:40 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-7 To BM 8-11
Date 12-12-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5787	40.821	215	2.561		5186	42.644	206	2.569	
	5572		214			4980		206		
	5358		429			4774		412		
9	16717	5.572		2990		14940	4.980		2.981	
		46.393					47.624			
										B.M 8-10 (U.S. 3924) F779 SEE F.B. 1209-11 FOR DESCRIPTION
	4392		025			5984		030		
	4367		025			5954		030		B.M 8-11
	4342		050			5924		060		SEE F.B. 1209-14
10	13101	4.367		3040	66°	17862	5.954		3.041	FOR DESCRIPTION
										SUMMATION OF LINE B.M 8-7 TO B.M 8-11
										TOTAL BACKSIGHTS + 50.760
										" FORESIGHTS - 53.578
										DIFF. IN ELEVATION - 2.818
		50.760					53.578			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 86										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:40-3:15 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 8-11 To B.M. 8-7
Date 12-12-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6068		029		#7	4478		027		B.M. 8-11
	6039		029			4451		027		SEE F.B. 1209-14
	6010		058			4424		054		FOR DESCRIPTION
1	18117	6037		058	66°	13353	4.451		054	⊼ G.E. DREIER
										B.M. 8-10 (U.S. 3924) (F 779)
										SEE F.B. 1209-15
										FOR DESCRIPTION
	5103		206			5702		214		
	4897		207			5488		211		
	4690		413			5277		425		
2	14690	4.897		.471		16467	5.489		.479	
	4921		214			4963		211		
	4707		216			4752		209		
	4491		430			4543		420		
3	14119	4.706		.901		14258	4.753		.899	
	5276		214			4918		213		
	5062		212			4705		212		
	4850		426			4493		425		
4	15188	5.063		1327		14116	4.705		1.324	
		20.705					19.398			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather Partly Cloudy Inst. No. 50010
Notes by S. SHINODA Time 2:40 - 3:15 P.M. Rod No. 7 & 8

Name L.A.Co PRECISE LEVEL NET
Job No. 4925
From BM 8-11 To BM 8-1
Date 12-12-51
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5456	20.705	213	1327		4807	19.398	212	1324	
	5243		212			4595		212		
	5031		425			4383		424		
5	15730	5.243		1752		13785	4.595		1748	
	5660		212			5043		214		
	5448		212			4829		212		
	5236		424			4617		426		
6	16344	5.448		2176		14489	4.830		2174	
	4999		147			5241		149		
	4852		149			5092		147		
	4703		296			4945		296		
7	14554	4.851		2472		15278	5.093		2470	
	5225		157			5291		153		
	5068		156			5138		152		
	4912		313			4986		305		
8	15205	5.068		2785		15415	5.138		2775	
										BM 8-9 (US 3926) 17 (LACo) SEE F.B. 1209-13 FOR DESCRIPTION
	41.315					39.554				

F.B. 1205 PG. 88

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:40-3:15 PM Rod No. 7 & 8

Name L.A. Co. Dre. Sec. Level
Job No. 4923
From BM 8-11 To BM 8-7
Date 12-12-51
Indexed R. C. Jones

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6063	41.815	029	2.785		6535	39.054	029	2.775	
	6034		029			6506		029		
	6005		058			6477		058		
9.	19102	6.034		2.843		19518	6.506		2.833	
		47.349					45.561			BM 8-8 (US 37-5) (LACE) SEE F.B. 1098-12 FOR DESCRIPTION
	6643		100			5618		100		
	6543		100			5518		100		
	6443		200			5418		200		
10.	19629	6.543		3.043	64°	16554	5.518		3.033	BM 8-7 (US 21-2) (M.[illegible]) SEE F.B. 1209-12 FOR DESCRIPTION
										SUMMATION OF M[illegible] BM 8-11 TO BM 8-7
										TOTAL BACKSIGHTS = 53.892
										FORESIGHTS = 51.078
										DIFF IN ELEVATION = 2.814
		53.892					51.078			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 70										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:35-9:15AM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 8-11 To B 8-13
Date 12-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5615		212		#7	5949		212		
	5403		212			5737		214		BM 8-11
	5191		424			5523		426		SEE F B 12-9-14
1	16209	5.403		424	47°	17209	5.736		426	FOR DESCRIPTION
	5387		215			5765		212		
	5172		213			5553		213		⊼ G.E. DREIRK
	4959		428			5340		425		
2	15518	5.173		852		16658	5.553		851	
	5747		214			5839		212		
	5533		212			5627		214		
	5321		426			5413		426		
3	16601	5.534		1278		16879	5.626		1277	
	5164		212			5519		215		
	4952		212			5304		212		
	4740		424			5092		427		
4	14856	4.952		1.702		15915	5.305		1.704	
	5551		213			6382		211		
	5338		213			6171		212		
	5125		426			5959		423		
5	16014	5.338		2.128		18512	6.171		2.127	
		26.400					28.391			

F.B. 1209 PG. 91

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 53010
Notes by S. SHINODA Time 8:35-9:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL No. -
Job No. 4923
From BM 8-11 To BM 8-13
Date 12-13-51
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7951	26.400	256	2127		8077	28.[illegible]	258	2127	
	7695		255			7819		257		
	7440		511			7562		515		
6.	23086	7.695		2639		23458	7.819		2642	
	5337		214			6073		211		
	5123		211			5862		211		
	4912		425			5651		422		
7	15372	5.124		3064		17586	5.862		3064	
	5577		214			5297		211		
	5363		211			5086		213		
	5152		425			4873		424		
8	16092	5.364		3489		15256	5.085		3488	
	5291		206			6908		208		
	5085		206			6700		204		
	4879		412			6496		412		
9	15255	5.085		3901		20104	6.701		3900	
										BM 8-12 (US 3923) 178 (LACR.) SEE F.B. 1209-15 FOR DESCRIPTION
		49.668					53.758			

F.B. 1209 PG. 92

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:35-9:15AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELING
Job No. 4923
From BM 8-11 To BM 8-13
Date 12-15-56
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6593	49.660	066	3.901		6175	53.158	065	3.900	
	250		066			6110		65		BM 8-13
	6441		132			6043		132		SEE F.B. 12017-5
10	19521	6507		4032	54°	18358	6109		4032	FOR DESCRIPTION
										SUMMATION SEE BY
										BM 8-11 TO BM 8-13
										TOTAL BACKSIGHTS + 56.175
										" FORESIGHTS + 59.967
										DIFF. IN ELEVATION + 3.792
		56.175					59.967			

F.B. 12017 PG. 23

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 209 PG. 94										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:00-9:40AM Rod No. 7 & 5

Name L.A. Co. PRE. SE LEV. NET
Job No. 4923
From BM 8-13 To BM 8-11
Date 12-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6156		066		#7	6555		067		BM 8-13
	6090		066			6488		066		SEE F.B. 1207-15
	6024		132			6422		133		FOR DESCRIPTION
1	18270	6.090		132	54°	19465	6.488		133	T G E DRAIN
										BM 8-12 (US 3923) 17 (LACRE
										SEE F.B. 1209-15
										FOR DESCRIPTION
	6890		208			5274		205		
	6682		205			5069		207		
	6477		413			4862		412		
2	20049	6.683		545		15205	5.068		545	
	5205		214			5483		212		
	4991		212			5271		213		
	4779		426			5058		425		
3	14975	4992		971		15812	5.271		970	
	5791		212			5053		211		
	5579		211			4842		213		
	5368		423			4629		424		
4	16738	5.579		1394		14524	4.841		1394	
		23.344					21.668			

F.B. [illegible] PG. 25

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. Nachmann Weather CLEAR Inst. No. 50010
Notes by S. Johnson Time 9:00-9:40 am Rod No. 7 & 8

Name L.A.C. Precise Level
Job No. 4923
From BM 8-13 To BM 8-
Date 12-14-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8004	23.344	257	1.374		7882	21.608	257	1.374	
	7751		258			7625		254		
	7493		515			7371		511		
5	23252	7.75		1909		22878	7.626		1905	
	6331		212			5801		213		
	6119		211			5588		215		
	5908		423			5013		428		
6	18358	6.119		2332		15862	5.287		2333	
	5492		211			5140		213		
	5281		210			4927		214		
	5071		421			4713		427		
7	15844	5.281		2753		14780	4.927		2760	
	5838		215			5747		215		
	5623		212			5532		212		
	5411		427			5320		427		
8	16872	5.624		3180		16599	5.533		3187	
	5736		214			5356		213		
	5522		211			5143		213		
	5311		425			4930		426		
9	16569	5.523		3605		15429	5.143		3613	
		53.642					50.114			

F.B. 1209 PG. 96

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:00 - 9:40 AM Rod No. 7 & 8

Name L.A. Co. Precise Level No.
Job No. 4923
From B.M. 8-13 To B.M. 8-11
Date 12-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5772	53.642	214	3605		5434	50.184	211	3613	
	5558		214			5223		211		B.M. 8-11
	5344		428			5012		422		SEE F.B. 1209-14
10	16674	5.558		4033	65°	15669	5.223		4035	FOR DESCRIPTION
										SUMMATION OF [illegible] B.M. 8-13 TO B.M. [illegible]
										TOTAL BACKSIGHTS + 9.200
										" FORESIGHTS - 5.407
										DIFF. IN ELEVATION = 3.793
		59.200					55.407			

F.B. 1209 PG. 97

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 98										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 9:45-10:00 A.M. Rod No. 7 & 8

Name L.A.Co. Pacific Lighter
Job No. 4922
From BM 8-13 To BM 8-15
Date 12-13-51
Indexed A.C. Tod

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6353		033		#7	5494		034		
	6320		033			5464		032		BM 8-13
	6287		066			5432		066		SEE F.B. 1209-1
1	18960	6320		066	54°	16394	5465		066	FOR DESCRIPTION
										* G.E. Datum
										BM 8-14 (J5322) (1949)
										SEE F.B. 1209-1
										FOR DESCRIPTION
	5313		209			5269		213		
	5104		208			5056		213		
	4896		417			5448		426		
2	15313	5104		483		[illegible]	5656		492	
	5090		211			5938		213		
	4879		210			5725		213		
	4669		421			5512		426		
3	14638	4879		904		17175	5725		918	
	5519		216			6080		209		
	5303		218			5871		211		
	5086		434			5660		420		
4	15912	5304		1333		17611	5870		1358	
		21.607					22.716			

F.B. 1209 PG. 20

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:00 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Levelist
Job No. 4923
From BM 8-13 To BM 8-15
Date 12-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5331	21.607	212	1.333		6037	116	214	1.338	
	5119		211			5825		212		
	4908		423			5613		426		
5.	15358	5.119		1.756		17477	5.826		1.764	
	5397		215			5481		210		
	5182		214			5271		211		
	4968		429			5060		421		
6.	15547	5.182		2185		15812	5.271		2185	
	5179		213			5797		213		
	4966		214			5584		212		
	4752		427			5372		425		
7.	14897	4.966		2612		16753	5.584		2610	
	5388		213			5658		214		
	5175		212			5444		212		
	4963		425			5232		426		
8	15526	5.175		3.037		16334	5.445		3.036	
	5239		214			5569		215		
	5025		214			5354		212		
	4811		428			5142		427		
9.	15075	5.025		3.465		16065	5.355		3.463	
		47.074					50.197			

F.B. 1209 PG. 100

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:00AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELLET
Job No. 4925
From BM 8-13 To BM 8-15
Date 12-13-51
Indexed A. O. Jc

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4967	47.074	256	3.465		6980	50197	258	3.463	
	4711		253			6722		258		B.M. 8-15
	4458		509			6464		516		SEE F.B. 1209-17
10	14136	4.712		3.974	57°	20166	6.722		3.979	FOR DESCRIPTION
										SUMMATION OF RO[illegible] BM 8-13 TO BM 8-15
										TOTAL BACKSIGHTS + 51786
										- FORESIGHTS - 56919
										DIFF. IN ELEVATION - 5.133
		51786					56919			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 102										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:25 - 3:40 PM Rod No. 7 & 8

Name LA Co. Drecks Le[illegible]
Job No. 4923
From BM 8-15 To BM 8-13
Date 12-13-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7237 6983 6730 20952	6.984	256 253 509	509	#7 650	5[illegible] 4972 4719 14919	4.973	256 253 509	509	B.M. 8-15 SEE F.B. 1209-17 FOR DESCRIPTION
2	5832 5[illegible] 5407 16860	5.620	213 212 425	.932		5502 5[illegible] 5077 15868	5.289	213 212 425	.934	* G.E. DREIER
3	5661 5448 5236 16345	5.448	213 212 425	1357		5391 5179 4967 15537	5.179	212 212 424	1358	
4	5790 5579 5368 16737	5.579	211 211 422	1.779		5171 4959 4748 14878	4.959	212 211 423	1.781	
5	5495 5282 5071 15848	5.283	213 211 424	2.203		5407 5194 4982 15583	5.194	213 212 425	2.206	STOPPED 3:40 PM [illegible] 51
		28.914					25.594			

F.B. [illegible] PG. [illegible]

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather [illegible] Inst. No. 50010
Notes by [illegible] Time 8:35-9:00 [illegible] Rod No. 7 & 8

Name [illegible] Level No.
Job No. 4923
From [illegible] To [illegible]
Date 12-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5963 5757 5544 17255	28914 5752	211 212 423	2.203 2.626	52°	5282 5141 4831 15125	25394 5042	210 211 421	2.206 2.627	BEGAN 8:35 12-14-51
7	6069 5853 5641 17563	5854	216 212 428	3054		5499 5287 5076 15862	5287	212 211 423	3050	
8	5990 5778 5568 17336	5779	212 210 422	3476		5142 4930 4719 14791	4930	212 211 423	3473	
9	5756 5543 5331 16630	5543	213 212 425	3901		5201 4992 4783 14976	4992	209 209 418	3891	
										[illegible] (US 3922) (F749) SEE FB [illegible]-16 FOR DESCRIPTION
		51.842					45.145			

F.B. 1209 PG. 104

FORM 379 5M 7-40

PLEASE RETURN TO
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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

Chief of Party H. F. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:35-9:00AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM 8-15 To BM 8-13
Date 12-14-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5557	51.842	033	3.70[illegible]		6413	45.845	032	3.871	
	5524		031			6380		033		BM 8-13
	5493		064			6347		066		SEE F.B. 1209-15
10.	16574	5525		3.965	54°	19140	6380		3.957	FOR DESCRIPTION
										SUMMATION OF [illegible] BM 8-15 TO [illegible]
										TOTAL BACKSIGHTS + $ [illegible]3.[illegible]7
										" FORESIGHTS − $ [illegible]2.225
										DIFF. IN ELEVATION − 5.42
		57.367					52.225			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 129 PG. 106										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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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Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:35 TO 1130 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NE
Job No. 4923
From BM 8-15 To B.M. 8-19
Date 12-13-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.248		027		#7	4.286		026		
	6.221		026			4.260		027		B.M. 8-15
	6.195		053			4.233		053		SEE F.B. 1209-17
1	18.664	6.221		.053	61°	12.779	4.260		.053	FOR DESCRIPTION
										B.M. 8-16 (U.S. 392) (E 779)
										SEE F.B. 1209-17
										FOR DESCRIPTION
	4.678		193			5.742		194		
	4.485		190			5.548		196		
	4.295		383			5.352		390		
2	13.458	4.486		.436		16.642	5.547		.443	
	5.228		216			5.392		212		
	5.012		214			5.180		210		
	4.798		430			4.970		422		
3	15.038	5.013		.866		15.542	5.181		.865	
	5.318		216			5.290		213		
	5.102		213			5.077		213		
	4.889		429			4.864		426		
4	15.309	5.103		1.295		15.231	5.077		1.291	
		20.823					20.065			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

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Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 500.10
Notes by G.F. DREILR Time 10:35 TO 11:30 Rod No. 7 & 8

Name L.A.Co. PRECISE LEVELING
Job No. 4922
From BM 8-15 To BM 8-19
Date 12-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.612	20.823	213	1.295		5.842	20.065	210	1.291	
	5.399		212			5.632		212		
	5.187		425			5.420		422		
5	16.198	5.399		1.720		16.894	5.631		1.713	
	5.238		215			6.022		214		
	5.023		213			5.808		213		
	4.810		428			5.595		427		
6	15.071	5.024		2.148		17.425	5.808		2.140	
	5.445		213			5.537		214		
	5.232		212			5.323		211		
	5.020		425			5.112		425		
7	15.697	5.232		2.573		15.972	5.324		2.565	
	5.678		215			5.675		214		
	5.463		212			5.461		212		
	5.251		427			5.249		426		
8	16.392	5.464		3.000		16.385	5.462		2.991	
	4.900		212			5.672		214		
	4.688		213			5.458		213		
	4.475		425			5.245		427		
9	14.063	4.688		3.425		16.375	5.458		3.418	
		46.630					47.748			

F.B. 1209 PG. 108

FORM 379 5M 7-40

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700 HALL OF RECORDS

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Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:35 TO 11:30 Rod No. 7 & 8

Name L.A. Co. Dre[illegible] Le[illegible] Net
Job No. 4923
From BM 8-15 To BM 8-19
Date 12-13-51
Indexed A. C. Johns[illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.364	46.630	096	3.425		6.176	47.748	100	3.418	
	5.268		098			6.076		098		B.M. 8-17 (U.S. 2191) (L51)
	5.170		194			5.978		198		SEE F.B. 1209-1[illegible]
10	15.802	5.267		3.619		18.230	6.077		3.616	FOR DESCRIPTION
	9.551		131			4.092		132		
	9.420		131			3.960		130		B.M. 8-18 (ARTESIA E-[illegible]) (US 392[illegible])
	9.289		262			3.830		262		SEE F.B. 1209-18,19
11	28.260	9.420		3.881		11.882	3.961		3.878	FOR DESCRIPTION
										SUMMATION OF RU[illegible]
										B.M. 8-15 TO B.M. [illegible]-19
										TOTAL BACKSIGHTS + 67.[illegible]74
										TOTAL FORESIGHTS - 61.588
										DIFF. IN ELEVATION + 5.[illegible]86
	5.969		012			3.815		013		
	5.957		013			3.802		013		B.M. 8-19 (U.S. 3010) (R.M. [illegible]6)
	5.944		25			3.789		26		SEE F.B. 1209-18,[illegible]
12	17.870	5.957		3.906	64°	11.406	3.802		3.904	FOR DESCRIPTION
		67.274					61.588			

F.B. [illegible] PG. [illegible]

FORM 379 SM 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 2.09 PG. 110

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 220 to 320 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-19 To B.M. 8-15
Date 12-13-51
Indexed E. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3.713		013		#7	5.868		013		B.M. 8-19 (U.S. 3210) (M A-6)
	3.700		013			5.855		013		SEE F.B. 1209-18, 19
	3.687		026			5.842		026		FOR DESCRIPTION
1	11.100	3.700		026	66°	17.565	5.855		026	
										B.M. 8-18 (ARTESIA) (U.S. 3920)
										SEE F.B. 1209-19
										FOR DESCRIPTION
	3.970		132			9.427		130		
	3.838		131			9.297		132		
	3.707		263			9.165		262		
2	11.515	3.838		289		27.889	9.296		288	
		7.538					15.151			
										B.M. 8-17 (U.S. 2191) (M 51)
										SEE F.B. 1209-19
										FOR DESCRIPTION
	6.181		099			5.371		098		
	6.082		097			5.273		098		
	5.985		196			5.173		198		
3	18.248	6.083		485		15.817	5.273		484	
		13.621					20.424			

F.B. 1209 PG. 11

FORM 379 5M 7-40

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700 HALL OF RECORDS

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

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by G E DREIER Time 2:20 - 3:20 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-19 To B.M. 8-15
Date 12-13-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5,722	13621	212	485		4952	20,424 3	212	484	
	5510		212			4740		215		
	5,298		424			4525		427		
4	16530	5510		909		14,217	4739		911	
	5722		211			5722		212		
	5511		212			5510		212		
	5299		423			5298		424		
5	16,532	5,511		1332		16,530	5,510		1335	
	5,566		212			5,475		213		
	5354		213			5,262		211		
	5141		425			5051		424		
6	16,061	5,354		1757		15,788	5,263		1759	
	6040		213			5,255		215		
	5,827		215			5,040		212		
	5612		428			4828		427		
7	17,479	5,826		2,185		15,123	5041		2,186	
	5923		211			5,691		213		
	5,712		212			5,478		212		
	5500		423			5,266		425		
8	17135	5,712		2,608		16435	5,478		2,611	
		41,534					46,455 4			

F.B. 1209 PG. 112

FORM 379 5M 7-40

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. ..... PG. 7

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 2:20 TO 3:20 Rod No. 7C8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-19 To B.M. 8-15
Date 12-13-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.451	41534	213	2608		5.479	46458 4	215	2611	
	5.238		213			5.264		213		
	5.025		426			5.051		428		SUMMATION OF RUN
9	15.714	5.238		3.034		15.794	5.265		3.039	B.M. 8-19 TO B.M. 8-15
	5.440		212			5.275		215		
	5.228		216			5.060		212		TOTAL BACKSIGHTS +61.823
	5.012		428			4.848		427		TOTAL FORESIGHTS -67.505 4
10	15.680	5.227		3.462		15.183	5.061		3.466	DIFF IN ELEVATION -5.68[illegible] 1
	5.701		191			4.641		192		
	5.510		191			4.449		194		
	5.319		382			4.255		386		
11	16.530	5.510		3.844		13.345	4.448		3852	
										B.M. 8-16 (US 3921) (E 779) SEE F.B. 1209-17 FOR DESCRIPTION
	4.341		027			6.302		026		
	4.314		026			6.276		026		B.M. 8-15
	4.288		053			6.250		052		SEE F.B. 1209-17
12	12.943	4.314		3.897	64°	18.828	6.276		3.904	FOR DESCRIPTION
		61.823					67.505 4			

F.B. 1209 PG. 114

FORM 379 5M 7-40

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO 1:40 Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-19 To B.M. 8-21
Date 12-13-51
Indexed R. O. JONES

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2.838		214			7.821		212		
	2.624		212			7.609		211		B.M. 8-19 (L.3.3010)(K.r.A.6)
	2.412		426			7.398		423		SEE F.B. 1209-1
1	7.874	2.625		426	64°	22.828	7.609		423	FOR DESCRIPTION
	3.878		213			6.421		211		
	3.665		213			6.210		212		
	3.452		426			5.998		423		
2	10.995	3.665		852		18.629	6.210		846	
	5.002		212			6.331		213		
	4.790		212			6.118		212		
	4.578		424			5.906		425		
3	14.370	4.790		1276		18.355	6.118		1271	
	5.355		213			5.948		216		
	5.142		212			5.732		213		
	4.930		425			5.519		429		
4	15.427	5.142		1701		17.199	5.733		1700	
	5.342		214			5.480		212		
	5.128		213			5.268		213		
	4.915		427			5.055		425		
5	15.385	5.128		2128		15.803	5.268		2125	
		21.350					30.938			

F.B. 1209 PG. 15

FORM 379 5M 7-40

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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by C. E. DREIER Time 11:30 TO 1:40 Rod No. 788

Name L.A. Co. PRECISE LEVEL 1ST
Job No. 4923
From B.M. 8-19 To B.M. 8-11
Date 12-13-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5730	21.350	212	2128		5.372	30.938	212	2.125	
	5.518		213			5.160		213		
	5.305		425			4.947		425		
6	16553	5518		2.553	65°	15.479	5.160		2.550	OUT 12:00 TO 1:00
	5.441		213			5.159		212		
	5.228		213			4.947		212		
	5.015		426			4.735		424		
7	15684	5.228		2.979	65°	14.841	4.947		2.974	
	5.740		172			5.278		176		
	5.568		170			5.102		174		
	5.398		342			4.928		360		
8	16.706	5.568		3.321		15.308	5.103	5	3.334	
	5.580		173			5.417		179		
	5.407		172			5.238		179		
	5.235		345			5.059		358		
9	16.222	5.407		3.666		15.714	5.238	8	3.682	
	5.652		177			6.558		178		
	5.475		177			6.380		176		
	5.298		354			6.204		354		
10	16.425	5.475		4.020		19.142	6.381	3	4.046	
	~~48447~~ 48.547					57.767				

F.B. ~~1209~~ PG. 116

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO 1:40 Rod No. 788

Name L.A. Co. PRECISE [illegible] NET
Job No. 4923
From B.M. 8-19 To B.M. 8-21
Date 12-13-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		~~48.447~~ 48.547		4.020			57.767		4.0~~4~~6 3	B.M. 8-20 (U.S. 3918) (ARTESIA D-9) SEE F.B. 1209-2[illegible] FOR DESCRIPTI[illegible]
11	6.035 6.010 5.982 18.030	6.010	028 028 056	4.076	65°	6.892 6.863 6.835 20.590	6.863	029 028 057	4.09 ~~4.10~~ 3	B.M. 8-21 (U.S. 3917) (ARTESIA D-9) SEE F.B. 1209-2[illegible] FOR DESCRIPTI[illegible]
										SUMMATION OF [illegible] B.M. 8-19 TO B.M. 8-21
										TOTAL BACKSIGHTS + ~~4.457~~ 4.557 TOTAL FORESIGHTS + 4.630 DIFF IN ELEVATION ~~0.173~~ − 10.073
		~~54.457~~ 54.557					64.630			

F.B. 1209 PG. 117

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1209 PG. 118

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:40 TO 2:20 Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From B.M. 8-21 To B.M. 8-19
Date 12-13-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.799		029		#7	5942		027		
	6.770		028			5915		027		B.M. 8-21 (U.S. 3912) (R.M. ARTESIA D-9)
	6.242		057			5888		054		SEE F.B. 1209-20
1	20311	6.770		057	65°	17.745	5.915		.054	FOR DESCRIPTION
										B.M. 8-20 (U.S. 3918) (ARTESIA D-9)
										SEE F.B. 1209-
										FOR DESCRIPTION
	6557		177			5.650		178		
	6380		176			5472		177		
	6.204		353			5295		355		
2	19.141	6.380		.410		16.417	5.472		.409	
	5428		178			5597		177		
	5.250		178			5420		175		
	5072		356			5245		352		
3	15.750	5.250		.766		16.262	5.421		.761	
	5042		173			5508		171		
	4869		175			5.337		172		
	4694		348			5165		343		
4	14605	4.868		1114		16010	5337		1.104	
		23.268					22.145			

F.B. 1209 PG. 119

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DRIER Time 1:40 TO 2:20 Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-21 To B.M. 8-19
Date 12-13-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5288	23.268	213	1.114		5569	22.145	213	1.104	
	5075		215			5356		214		
	4860		428			5142		427		
5	15223	5.074		1.542		16067	5.356		1.531	
	5311		212			5670		212		
	5099		215			5458		213		
	4884		427			5245		425		
6	15294	5.098		1.969		16373	5.458		1.956	
	5320		210			5188		218		
	5110		210			4970		215		
	4900		420			4755		433		
7	15330	5.110		2.389		14913	4.971		2.389	
	5701		212			5110		212		
	5489		214			4898		214		
	5275		426			4684		426		
8	16465	5.488		2.815		14692	4.897		2.815	
	6085		213			4756		214		
	5872		212			4542		212		
	5660		425			4330		426		
9	17617	5.872		3.240		13628	4.543		3.241	
		49910					47370			

F.B. 1209 PG. 120

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 1:40 TO 2:20 Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-21 To B.M. 8-19
Date 12-13-51
Indexed B. C. JOHNSON

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.384	4.9910	212	3.240		3.838	4.7370	213	3.241	
	6.168		213			3.625		213		
	5.955		425			3.412		426		
10	18.503	6.168		3.665		10.875	3.625		3.667	
	7.680		212			2.695		214		
	7.465		213			2.481		212		B.M. 8-19 (US
	7.255		425			2.269		426		SEE F.B. 1209 [illegible]
11	22.403	7.468		4.090	65°	7.445	2.482		4.093	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 8-21 TO B.M. 8-19
										TOTAL BACKSIGHTS +63.546
										TOTAL FORESIGHTS -53.477
										DIFF IN ELEVATION +10.069
		63.546					53.477			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 122										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:50 TO 11:30 Rod No. 7 & 8

Name L. A. Co. PRECISE LEVELNET
Job No. 4923
From BM 8-21 To BM 8-22
Date 12-14-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6042		213		#7	5725		213		B.M. 8-21 (US 3917) (RM 1 AR [illegible])
	5.829		210			5.512		212		SEE F.B. 1209-2
	5619		423			5300		425		FOR DESCRIPTION
1	17.490	5.830		423	65°	16.537	5.512		425	
	5092		214			5.808		216		
	4.878		213			5.592		213		
	4.665		427			5379		429		
2	14.635	4.878		850		16.779	5.593		854	
	5.115		213			5669		214		
	4.902		210			5.455		215		
	4.692		423			5240		429		
3	14.709	4.903		1273		16.364	5.455		1.283	
	5332		214			4020		210		
	5.118		216			3.810		210		
	4902		430			3600		420		
4	15352	5.117		1.703		11.430	3.810		1703	
	3.565		213			5.835		214		
	3.352		211			5.621		212		
	3141		424			5.409		426		
5	10.058	3.353		2.127		16.865	5.622		2.129	
		24.081					25.992			

F.B. 1209 PG. 123

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:50 TO 11:30 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-21 To B.M. 8-22
Date 12-14-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5446	24.081	211	2.127		5460	25.492	210	2.129	
	5235		213			5250		212		
	5022		424			5038		422		
6	15.703	5.234		2.551		15.748	5.249		2.551	
	5363		212			5542		212		
	5151		212			5.330		212		
	4.939		424			5.118		424		
7	15.453	5.151		2.975		15.990	5.330		2.975	
	5325		180			5259		180		
	5.145		177			5.079		179		B.M. 8-22 43916 D779
	4968		357			4900		359		SEE F.B. 1209 - 21
8	15.438	5.146		3.332	68°	15.238	5.079		3.334	FOR DESCRIPTION
F.B. 1209 PG. 124										SUMMATION OF RUN B.M. 8-21 TO B.M. 8-22
										TOTAL BACKSIGHTS + 39.612 ✓ FORESIGHTS - 41.650 ✓ DIFF IN ELEVATION - 2.038 ✓

~~39.676~~
39.612 ✓

41.650 ✓

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMMAN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO 12:00 Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-22 To B.M. 8-21
Date 12-14-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.338		180		#7	5.402		180		
	5.158		179			5.222		178		B.M. 8-22 (US 3916) (5.77)
	4.979		359			5.044		358		SEE F.B. 1209-21
1	15.475	5.158		359	68°	15.668	5.223		358	FOR DESCRIPTION
	5.518		215			5.339		214		
	5.303		213			5.125		212		
	5.090		428			4.913		426		
2	15.911	5.304		787		15.377	5.126		784	
	5.498		213			5.482		213		
	5.285		212			5.269		210		
	5.073		425			5.059		423		
3	15.856	5.285		1,212		15.810	5.270		1,207	
	5.832		213			3.562		211		
	5.619		214			3.351		211		
	5.405		427			3.140		422		
4	16.856	5.619		1,639		10.053	3.351		1,629	
	3.867		212			5.172		212		
	3.655		210			4.960		212		
	3.445		422			4.748		424		
5	10.967	3.656		2,061		14.880	4.960		2,053	
		25.032					23.930			

F.B. 1209 PG. 22

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO 12:00 Rod No. 798

Name L.A.Co PRECISE LEVEL NET
Job No. 4923
From B.M. 8-22 To B.M. 8-21
Date 12-14-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5739	25.022	209	2.061		5192	23.930	214	2.053	
	5530		210			4978		216		
	5320		419			4762		430		
6	16.589	5530		2.480		14.932	4977		2.483	
	5900		212			5185		213		
	5688		213			4972		213		
	5475		425			4759		426		
7	17.063	5688		2.905		14.916	4972		2.909	
	5738		210			6055		213		B.M. 8-21 (U.S. 3917) (R.M. 1 ARTESIA 2-9)
	5528		213			5842		211		SEE F.B. 1209-20
	5315		423			5631		424		FOR DESCRIPTION
8	16.581	5527		3.328	70	17.528	5843		3.333	
F.B. 1209 PG. 126										SUMMATION OF RUN B.M. 8-22 TO B.M. 8-21
										TOTAL BACKSIGHTS + 41.767 ✓
										TOTAL FORESIGHTS − 39.722 ✓
										DIFF IN ELEVATION + 2.045 ✓
		41.767 ✓					39.722 ✓			

FORM 379 5M 7-40

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LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10-2:00 P.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 8-22 To BM 8-14
Date BM 12-14-51
Indexed A. C. John[illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5476		130		#7	549.1		132		BM 8-22 (US 3716) (D 79)
	5346		127			5359		130		SEE F.B. 1209-21
	5217		259			5229		262		FOR DESCR[illegible]
1	16039	5346		259	70°	16079	5360		262	
	5272		213			5361		213		
	5059		212			5148		211		
	4847		425			4937		424		
2	15178	5059		684		15446	5149		686	
	5321		215			5470		212		
	5113		212			5258		212		
	4901		427			5046		424		
3	15342	5114		1.111		15774	5258		1.110	
	5379		212			5483		214		
	5167		215			5269		214		
	4952		427			5055		428		
4	15498	5166		1.538		15807	5269		1.538	
	5240		212			5167		214		
	5028		210			4953		212		
	4818		422			4741		426		
5	15086	5029		1.960		14861	4954		1.964	
		25714					25990			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

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Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10 - 2:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELING
Job No. 49-3
From BM 8-22 To BM 8-21
Date 12-14-51
Indexed B. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4959 2571		213	1.964		5222 2990		211	1.964	
	4746		214			5011		213		
	4532		427			4798		424		
6	14237	4.746		2.387		15031	5.010		2.388	
	5361		214			5482		211		
	5147		214			5271		212		
	4933		428			5059		423		
7	15441	5.147		2.815		15812	5.271		2.811	
	5164		214			5331		213		
	4950		212			5118		213		
	4738		426			4905		426		
8	14852	4.951		3.241		15354	5.118		3.237	
	5014		212			5168		215		
	4802		211			4953		212		
	4591		423			4741		427		
9	14407	4.802		3.664		14862	4.954		3.664	
	5228		213			5380		213		
	5015		211			5167		213		
	4804		424			4954		426		
10	15047	5.016		4.088		15501	5.167		4.090	
		50.376					51.510			

F.B. 1209 PG. 128

FORM 379 SM 7-40

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700 HALL OF RECORDS

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Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINDER Time 1:10-2:00 PM Rod No. 788

Name L.A.Co. PRE-STATE [illegible] JRT
Job No. 4923
From BM 8-22 To BM 8-24
Date 12-14-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5170	50.376	058	4.088		6353	51.510	059	4.090	
	5112		059			6294		058		
	5053		117			6236		117		
11	15385	5.112		4205		18883	6.294		4207	
		55.488					57.204			BM 8-23 (A. [illegible]) (6.371) SEE F.B. 1209-24 FOR DESCRIPTION
	6327		164			5367		161		
	6163		163			5206		161		SUMMARY OF [illegible] BM 8-22 TO [illegible]
	6000		327			5045		322		
12.	18490	6.163		4532		15618	5.206		4529	
	5201		198			4872		193		
	5003		195			4679		196		TOTAL BACKSIGHTS + 7.14
	4808		393			4503		389		FORESIGHTS − 7.69
13.	15012	5.004		4925		14054	4.698		4918	DIFF. IN ELEVATION + 3.453
	7680		193			[illegible]		191		
	7487		194			2921		190		BM 8-24 (U.S.C.&G.) (779)
	7293		387			2731		381		SEE F.B. 1209-25 FOR DESCRIPTION
14.	22460	7.487		5312	65°	8944	2.981		5299	
		74.142					70.689			

F.B. 1209 PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 130										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Naumann Weather Clear Inst. No. 50010
Notes by S. Shinoda Time 2:05-3:05 P.M. Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 8-24 To BM 8-22
Date 12-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3223		191		#7	7730		192		BM 8-24 (US 39[illegible]) (C 779)
	3032		191			7538		192		SEE F.B. 1209-23
	2841		382			7346		384		FOR DESCRIPTION
1	9096	3.032		382	65°	22614	7.538		384	
	4876		197			5187		197		
	4679		194			4990		197		TGE Dreier
	4485		391			4793		394		
2	14040	4.680		.773		14970	4.990		.778	
	5212		161			6173		163		
	5051		160			6010		164		
	4891		321			5846		327		
3	15154	5.051		1094		18027	6.010		1.105	
		12.763					18.538			
										B.M. 8-23 (Artesia [illegible]) (US [illegible])
										SEE F.B. 1209-24
										FOR DESCRIPTION
	6383		059			5199		058		
	6324		058			5141		058		
	6266		117			5083		116		
4	18973	6.324		1.211		15423	5.141		1.221	
		19.087					23.679			

F.B. 1202 PG. 13

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather CLEA Inst. No. 50010
Notes by S. Shinoda Time 2:05-3:00 Rod No. 78-3

Name L.A. Co. Precise Level 1/67
Job No. 4925
From BM R-24 To BM C 2
Date 12-14-57
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5202	19.087	211	1211		5053	28.679	213	1221	
	4991		213			4840		213		
	4778		424			4627		426		
5	14971	4990		1635		14500	4840		1647	
	5032		213			4881		211		
	4819		210			4670		211		
	4609		423			4459		422		
6	14460	4820		2058		14010	4670		2069	
	5295		213			5129		214		
	5082		212			4915		213		
	4870		425			4702		427		
7	15247	5082		2483		14746	4915		2496	
	5294		213			5169		212		
	5081		213			4957		214		
	4868		426			4743		426		
8	15243	5081		2909		14869	4956		2922	
	5167		214			4953		213		
	4953		212			4690		211		
	4741		426			4479		424		
9	14861	4954		3335		14072	4691		3346	
		44.014					47.751			

F.B. 1209 PG. 132

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 2:05-3:05 PM Rod No. 7 & 8

Name LA Co PRECISE LEVEL NET
Job No. 4923
From BM 8-24 To BM 8-22
Date 12-14-51
Indexed A. C. JOSEPH

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4914	44.014	214	3335		4989	47.75	212	3346	
	4700		213			4777		211		
	4487		427			4566		423		
10.	14101	4.700		3.762		14332	4.777		3769	
	5357		215			5251		211		
	5142		214			5040		211		
	4928		429			4829		422		
11.	15427	5.142		4191		15120	5.040		4191	
	5169		214			5025		213		
	4955		213			4812		212		SUMMATION OF [illegible]
	4742		427			4600		425		BM 8-24 TO BM [illegible]
12	14866	4.955		4618		14437	4.812		4616	
	5290		212			5203		212		TOTAL BACKSIGHTS + [illegible]
	5078		213			4991		213		" FORESIGHTS - [illegible]
	4865		425			4778		425		DIFF IN ELEVATION [illegible]
13	15233	5.072		5043		14972	4.991		5041	
	5245		132			5230		131		
	5113		132			[illegible]		131		B.M. 8-22 (US3916) ([illegible])
	4981		264			4968		262		SEE F.B. [illegible]
14	15339	5.113		5307	65.0	15297	5.099		5303	FOR DESCRIPTION
		69.002					72.470			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1209 PG. 134

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:50 - 10:35 AM Rod No. 7 & 8

Name L.A. Co. Precise Lev. Net
Job No. 4923
From BM 8-24 To BM 8-26
Date 12-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4260		135		#7	7156		137		
	4125		134			7019		136		BM 8-24 (U.S. 39-4 (C-779)
	3991		269			6883		273		SEE F.B. 1209-2
1	12376	4.125		269	56°	21058	7.019		273	FOR DESCRIPTION
	2900		214			5463		211		
	2688		211			5252		212		T G E DREIER
	2477		423			5040		423		
2	8065	2.688		692		15755	5.252		696	
	4710		212			5344		210		
	4498		213			5134		209		
	4285		425			4925		419		
3	13493	4.498		1.117		15403	5.134		1.115	
	5137		215			5533		210		
	4922		212			5323		212		
	4710		427			5111		422		
4	14769	4.923		1.544		15967	5.322		1.537	
	5104		213			5246		212		
	4891		211			5034		212		
	4680		424			4822		424		
5	14675	4.892		1.968		15102	5.034		1.961	
		21.126					27.761			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Clear Inst. No. 50010
Notes by S. Sandoval Time 9:50-10:[illegible] AM Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 8-24 To BM 8-26
Date 12-17-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4742 21.1[illegible]		211196	8		4782 21.16		213	1961	
	4631		211			4573		213		
	4420		422	90		4360		425	5 6	
6	13893	4631		2884		13715	4573		2388	
	4649		169			4012		168		
	4480		169			3844		167		
	4311		338	8		3677		335		
7	13440	4480		2728		11533	3844		2728	
	4764		212			5297		215		
	4552		211			5082		212		
	4341		423	1		4870		427	8	
8	13657	4552		3150		15249	5083		3142	
	5236		214			5068		213		
	5022		212			4855		213		
	4810		426	7		4642		426	4	
9	15068	5023		3574		14565	4855		3574	
	5125		166			4201		169		
	4959		167			4032		165		
	4792		333	10		3867		334	8	
10	14876	4959		3907		12100	4033		3908	
		44771					50149			

F.B. 1209 PG. 136

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. HAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:50-10:35AM Rod No. 7 & 8

Name L. A. Co. PRECISE [illegible]
Job No. 4923
From BM 8-24 To B[illegible]
Date 12-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7686	44771	217	3.910		10783	50.149	216	3.908	
	7469		216			10567		216		
	7253		433			10351		432		
1	22408	7.467		4343		31701	10.567		4340	
		52.240					60.716			
										BM 8-25 (RM 1 ARTESIA [illegible]) (US 39[illegible]) SEE FB 1207-24 FOR DESCRIPTION
	10464		027			6197		027		
	10437		025			6170		027		BM 8-26 (ARTESIA C[illegible]) (US 39[illegible]) SEE FB 1207-24 FOR DESCRIPTION
	10412		052			6143		054		
12	31313	10.438		4395	60°	18510	6.170		4394	
										SUMMATION OF [illegible] BM 8-24 TO BM [illegible]
										TOTAL BACKSIGHTS +62.678 FORESIGHTS −66.886 DIFFERENCE ELEVATION +4.208
		62.678					66.886			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 138										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Foggy Inst. No. 50010
Notes by J. Shinoda Time 8:55-9:45 AM Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From [illegible] To [illegible]
Date 12-17-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1.	6178 6152 6125 18455	6.152	026 027 053	055	#7 43	10447 10420 10393 31260	10.420	027 027 054	054	F.B. L-26 (Page [illegible]) (U.S. 3715) See F.B. 1209-24 For Desc. [illegible] T.G.L. Datum See [illegible] (RM 1 [illegible]) (U.S. 3719) See F.B. 1209-24 For Desc. [illegible]
2	11052 10852 10646 32550	10.852	205 204 409	462		7975 7751 7523 23254	7751	229 228 457	511	
3	6117 [illegible] [illegible] 12754	4251	167 166 333	795		5342 5176 5010 15528	5176	166 166 332	843	
4	5009 4784 4561 14354	4785	225 223 448	1243		5158 4955 4752 14865	4955	203 203 406	1249	
		26.040					28.302			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:55-9:45 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-26 To BM 8-[illegible]
Date 12-17-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5357	26.040	213	1248		4822	[illegible]	210	1249	
	5144		213			4612		210		
	4931		426			4402		420		
5	5432	5.144		1669		13836	4.612		1669	
	4060		169			4618		170		
	3891		168			4528		167		
	3723		337			4359		337		
6	11674	3.891		2006		13505	4.502		2008	
	5018		214			5072		211		
	4804		212			4861		211		
	4592		426			4650		422		
7	14414	4.805		2432		14583	4.861		2430	
	5350		213			5208		212		
	5137		213			4996		209		
	4924		426			4787		421		
8	15409	5.136		2860		14991	4.997		2851	
	5344		212			5144		213		
	5132		212			4931		211		
	4920		424			4720		424		
9	15377	5.132		3283		14795	4.932		3275	
		50.148					50.032			

F.B. 1205 PG. 140

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:55-9:45 AM Rod No. 7 & 8

Name L.A. Co. Precise Lev. Net
Job No. 4923
From BM 8-26 To BM P-24
Date 12-17-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5347	50.142	211	5.283		4767	52.032	215	3275	
	5188		209			4552		212		SUMMATION OF [illegible]
	4979		420			4340		427		BM 8-26 TO BM P-24
10	15566	5.189		3703		13659	4.553		3702	
	5530		213			2969		212		TOTAL BACKSIGHTS 47.538
	5317		214			2757		212		" FORESIGHTS [illegible]
	5103		427			2545		424		DIFF IN ELEVATION 14.207
11	15950	5.317		4130		8271	2.757		4126	
	7019		136			4122		133		
	6883		132			3989		152		BM P-24 (US [illegible]) (C [illegible] .779)
	6750		269			3837		305		SEE F.B. 1209-2
12	20652	6.884		4399	56°	11968	3.987		4391	FOR DESCRIPTION
		67.537					63.999			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1205 PG. 142

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:40 TO 11:45 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 8-26 To BM 8-29
Date 12-17-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2.430		210		#7	5.605		215		
	2.220		212			5.390		212		BM 8-26 ARTESIA CO U.S. 3915
	2.008		422			5.178		427		SEE F.B. 1209-24
1	6.658	2.219		422	62°	16.173	5.391		427	FOR DESCRIPTION
	4.892		212			5.269		214		
	4.680		210			5.055		215		
	4.470		422			4.840		429		
2	14.042	4.681		844		15.164	5.055		856	
	5.221		213			5.265		210		
	5.008		216			5.055		210		
	4.792		429			4.845		420		
3	15.021	5.007		1.273		15.165	5.055		1.276	
	5.900		213			5.408		213		
	5.687		215			5.195		213		
	5.472		428			4.982		426		
4	17.059	5.686		1.701		15.585	5.195		1.702	
	5.224		214			5.699		215		
	5.010		212			5.484		213		
	4.798		426			5.271		428		
5	15.032	5.011		2.127		16.454	5.485		2.130	
		22.604					26.181			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:40-11:45 AM Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-26 To B.M. 8-29
Date 12-17-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.979	22604	169	2127		5.425	26181	167	2130	
	5.810		169			5.258		169		
	5.641		338			5.089		336		
6	7.430	5.810		2.465		15.772	5.257		2.466	
	5.375		165			5.181		167		
	5.210		163			5.014		165		
	5.048		327			4.849		332		
7	15.633	5.211		2.792		15.044	5.015		2.798	
										B.M. 8-27 SEE F.B. 1209-25 FOR DESCRIPTION
		33.625					36.453			
	6.501		011			6.780		012		
	6.490		010			6.768		011		
	6.480		021			6.757		023		
8	19.471	6.490		2.813		20.305	6.768		2.821	
										B.M. 8-28 (ARTESIA C-11A) (U.S.C. 1) SEE F.B. 1209-25 FOR DESCRIPTION
		40.115					43.221			

F.B. 1209 PG. 144

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:40 TO 11:45 Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NE
Job No. 4923
From B.M. 8-26 To B.M. 8-29
Date 12-17-51
Indexed A.C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.638	40.115	216	2813		7.401	43.221	213	2.821	
	7.422		214			7.188		210		
	7.208		430			6.978		423		
9	22.268	7.423		3.243		21.567	7.189		3.244	
	4.700		211			5.320		213		SUMMATION OF [illegible]
	4.489		212			5.107		211		B.M. 8-26 TO B.M. 8-29
	4.277		423			4.896		424		
10	13.466	4.489		3.666		15.323	5.108		3.668	TOTAL BACKSIGHTS - 2.445
	5.395		215			5.040		212		TOTAL FORESIGHTS - 4.678
	5.180		215			4.828		213		DIFF. IN ELEVATION - ~~2.238~~
	4.965		430			4.615		425		- 2.233
11	15.540	5.180		4.096		14.483	4.828		4.093	
	5.430		192			4.525		193		
	5.238		193			4.332		192		B.M. 8-29 (4.5,390 [illegible]) [illegible]
	5.045		385			4.140		385		SEE F.B. 1209-26
12	15.713	5.238		4.481	64°	12.997	4.332		4.478	FOR DESCRIPTION
		62.445					64.678			

F.B. 1209 PG. 145

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4925
From B.M. To B.M.
Date 12-17-51
Indexed

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1209 PG. 146

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:45 TO 1:45 Rod No. 708

Name L.A. CO. PRECISE LEV NET
Job No. 4923
From B.M. 8-29 To B.M. 8-26
Date 12-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.416		194		#7	5.320		195		
	4.222		192			5.125		193		B.M. 8-29 (U.S. 39[illegible]9) (B 779)
	4.030		386			4.932		388		SEE F.B. 1209-26
1	12.668	4.223		386	66°	15.377	5.126		388	FOR DESCRIPTION
	5.003		213			5.358		216		
	4.790		211			5.142		213		
	4.579		424			4.929		429		
2	14.372	4.791		810		15.429	5.143		817	
	5.322		212			4.705		211		
	5.110		211			4.494		213		
	4.899		423			4.281		424		
3	15.331	5.110		1.233		13.480	4.493		1.241	
	7.275		215			7.509		214		
	7.060		212			7.295		214		
	6.848		427			7.081		428		
4	21.183	7.061		1.660	66°	21.885	7.295		1.669	STOPPED 1 HOUR 2.0[illegible]
										B.M. 8-28 (ARTESIA C-110) (U.S. 39[illegible])
										SEE F.B. 1209-25
										FOR DESCRIPTION
		21.185					~~[illegible]~~ 22.057			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:45 to 1:45 Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-29 To B.M. 8-27
Date 12-17-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.732	21.185	.011	1.66		6.454	21.057	.012	1.69	
	6.721		.010			6.442		.010		
	6.711		.021			6.432		.022		
5	20.164	6.721		1.681	68°	19.328	6.443		1.691	
		27.906					28.500			
										B.M. 8-27 SEE F.B. 1209-25 FOR DESCRIPTION
	5.348		.168			5.340		.163		
	5.180		.170			5.375		.163		
	5.010		.338			5.212		.328		
6	15.538	5.179		2.019		16.127	5.376		2.019	
	5.372		.170			5.926		.168		
	5.202		.167			5.758		.169		
	5.035		.337			5.589		.337		
7	15.609	5.203		2.356		17.273	5.758		2.356	WINDY
	5.658		.214			5.182		.212		
	5.441		.211			4.970		.212		
	5.230		.425			4.758		.424		
8	16.326	5.442		2.781		14.910	4.970		2.780	
		43.730					42.604			

F.B. 1209 PG. 148

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:45 TO 1:50 Rod No. 7E8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-29 To B.M. 8-26
Date 12-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.330	43.730	212	2.781		5.824	44.604	214	2.780	
	5.118		213			5.610		212		
	4.905		425			5.395		426		
9	15.353	5.118		3.206		16.832	5.611		3.206	SUMMATION OF RUN
	5.540		212			5.495		215		B.M. 8-29 TO B.M. 8-26
	5.328		213			5.280		212		
	5.115		425			5.068		427		TOTAL BACKSIGHTS + 5076
10	15.983	5.328		3.631		15.843	5.281		3.633	TOTAL FORESIGHTS - 2877
	5.733		213			5.361		212		DIFF. IN ELEVATION + 2.223
	5.520		210			5.149		211		
	5.310		423			4.938		423		
11	16.563	5.521		4.054		15.448	5.149		4.056	
	5.594		215			2.420		212		
	5.379		214			2.208		213		B.M. 8-26 (ARTIFICIAL C-4) 43.7-3
	5.165		429			1.995		425		SEE F.B. 1209-24
12	16.138	5.379		4.483	66°	6.623	2.208		4.481	FOR DESCRIPTION
		~~65.565~~ 65.076					62.853			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by Time Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL N-
Job No. 4923
From S.M. To B.M.
Date 12-17-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
F.B. 1209 PG. 150										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 2:00-2:30 P.M. Rod No. 7 & 8

Name LACo Precise Le[illegible]
Job No. 4923
From BM 8-26 To [illegible]
Date 12-17-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2355		213		#7	5530		213		
	2142		211			5317		214		BM 8-26 (Angeles Co.) (U539)
	1931		424			5103		427		SEE F.B. 1209-24
1	6428	2143		424	64°	15950	5317		427	FOR DESCRIPTION
	5034		212			5407		214		
	4822		211			5193		211		T. G.E. Dreier
	461		423			4982		425		
2	14467	4822		847		15582	5194		852	
	5244		212			5292		213		
	5032		211			5079		213		
	4821		423			4866		426		
3	15097	5032		1270		15237	5079		1278	
	5924		213			5432		213		
	5711		211			5219		212		
	5500		424			5007		425		
4	17135	5712		1694		15658	5219		1703	
	4814		212			5288		213		
	4602		212			5075		214		
	4390		424			4861		427		
5	13806	4602		2118		15224	5075		2130	
		22311					25884			

F.B. [illegible] PG. [illegible]

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:00-2:30 PM Rod No. 7 & 8

Name L.A. CO. PRECISE LEVELING
Job No. 492
From BM 8-26 To BM 8-27
Date 12-17-54
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6003	22311	170	2118		5446	25884	166	2130	
	5833		170			5280		167		
	5660		340			5113		333		
6	17499	5833		2458		15839	5280		2463	
	5658		167			5458		165		BM 8-27
	5491		165			5293		162		SEE F.B. 1209-25
	5326		332			5131		327		FOR DESCRIPTION
7	16475	5492		2790	64°	15882	5294		2790	
										SUMMATION OF RUN BM 8-26 TO BM 8-27
										TOTAL BACKSIGHTS +33.636
										" FORESIGHTS -36.458
										DIFF. IN ELEVATION -2.822
		33.636					36.458			

F.B. 1209 PG. 152

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:40-3:35 PM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From [illegible] To [illegible]
Date 12-17-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1.	5117 4903 4671 14711	4.904	214 212 426	426	#7 64°	5500 5288 5078 15866	5.289	212 210 422	.422	[illegible] 8-29 (053909) (.779) SEE F.B. 1207-24 FOR DESCRIPTION
2	5107 4895 4683 14685	4.895	212 212 424	.850		5599 5386 5173 16158	5386	213 213 426	.848	AGE DRIVER
3	5440 5227 5015 15682	5.227	213 212 425	1.275		5335 5122 4908 15365	5.122	213 214 427	1.275	
4	5465 5252 5042 15759	5.253	213 210 423	1.698		2928 2717 2506 8151	2.717	211 211 422	1.697	
5	10768 10591 10412 31771	10.590	177 179 356	2.054		3753 3581 3409 10743	3.581	172 172 344	2.041	
		30.869					22.095			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINGRA Time 2:40-3:35 Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-27 To BM 8-30
Date 12-17-51
Indexed E. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5752	30.869	261	[illegible]		4707	22.695	267	2.041	
	5491		260			4440		265		
	5231		521			4175		532		
6	16474	5.491		2575		13322	4.441		2573	
	3449		087			10826		087		
	3362		088			10739		086		
	3274		175			10653		173		
7	10085	3.362		2750		32218	10.737		2746	
	1460		092			4474		093		
	1368		094			4381		092		
	1274		186			4289		185		
8	4102	1.367		2936		13144	4.381		2931	
		41.089					41.056			B.M 8-30 SEE F.B. 1209-27 FOR DESCRIPTION
	5280		208			2908		196		
	5072		209			2712		192		
	4863		417			2520		388		
9.	15215	5.072		3353		8140	2.713		3319	
		46.161					44.369			

F.B. 1209 PG. 154

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:40-3:35 PM Rod No. 7 & 8

Name L.A. Co. Precise Level No.
Job No. 4923
From BM 8-29 To BM 8-33
Date 12-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		46.161		3353			44369		3319	B.M. 8-31 (US 2189) SEE F B 1209-27 FOR DESCRIPTION
	2149		210			5567		214		
	1937		211			5353		213		
	1728		421			5140		427		
10	5816	1.939		3774		10060	5.353		3746	
	5283		204			5711		220		
	5079		205			5491		221		
	4874		409			5270		441		
11	15236	5.079		4183		16472	5.491		4187	
	5257		215			5759		215		
	5042		214			5544		213		
	4828		429			5331		428		STOPPED 3:35 PM 12-17-51
12	15127	5.042		4612	64°	16634	5.545		4615	
	5130		211			5652		215		
	4919		210			5437		217		BEGAN 8:40 AM 12-[illegible]-51
	4709		421			5220		432		
13	14758	4.919		5033	48°	16309	5.436		5047	
		63.140					66.194			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:40-[illegible] Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-29 To BM 8-33
Date 12-18-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5372	63.140	206	5.093		4688	66.194	205	5.047	
	5186		207			4483		205		
	4979		413			4278		410		
14	15557	5.186		5.446		13449	4.483		5.457	
		68.326					70.677			
										BM 8-32 (U.S. 3708) (A779) SEE F.B. 1209 28 FOR DESCRIPTION
	4574		147			5567		145		
	4427		148			5422		145		SUMMATION OF RUN BM 8-29 TO BM 8-33
	4279		295			5277		290		
15	13280	4.427		5741		16266	5.422		5.747	
	5604		213			5502		212		TOTAL BACKSIGHTS +83.419
	5391		213			5290		213		" FORESIGHTS −88.170
	5178		426			5077		425		DIFF IN ELEVATION −4.751
16	16173	5.391		6167		15869	5.290		6172	
	5568		293			7075		295		
	5275		294			6780		292		BM 8-33 SEE F.B. 1209-28 FOR DESCRIPTION
	4981		587			6488		587		
17	15824	5.275		6754	48°	20343	6.781		6759	
		83419					88.170			

F.B. 1209 PG. 156

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H F NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:00-10:15AM Rod No. 7 & 8

Name L.A. Co. PRECISE L[illegible]
Job No. 4923
From BM 8-33 To B[illegible]
Date 12-18-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7139		293		#7	5629		293		
	6846		293			5336		292		BM 8-33
	6553		586			5044		585		SEE F.B. 1[illegible]
1	50538	6.846		586	48°	16009	5.336		585	FOR DESCRIPTION
	5552		213			5653		213		
	[illegible]		212			5440		212		π G.E. DRAFTER
	5127		425			5228		425		
2	16018	5.339		1011		16321	5.440		1,010	
	5599		146			4606		149		
	5453		145			4457		148		
	5308		291			4309		297		
3	16360	5.453		1,302		13372	4.457		1,307	
		17.638					15.233			
										BM 8-32 (U.S.B. [illegible]) (A [illegible])
										SEE F.B. 1[illegible]-28
										FOR DESCRIPTION
	4752		203			5467		208		
	4555		203			5259		207		
	4352		406			5052		415		
4	13665	4.555		1708		15778	5.259		1,722	
		22.193					20.492			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:00-10:15 AM Rod No. 798

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-33 To BM [illegible]
Date 12-16-81
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5688	5.193	218	1708		5162	[illegible]	211	1722	
	5470		215			4951		211		
	5255		433			4740		422		
5	16413	5.471		2141		14853	4.951		2144	
	5965		214			[illegible]		213		
	5751		212			5251		212		
	5539		426			5039		425		
6	17255	5.752		2567		15715	5.238		2569	
	6053		214			5639		212		
	5839		212			5427		211		
	5627		426			5216		423		
7	17519	5.840		2993		16282	5.427		2992	
	5921		214			2507		210		
	5707		214			2297		211		
	5493		428			2086		421		
8	17121	5.707		3421		6890	2.297		3413	
F.B. 1209 PG. 158										
										BM 8-31 (U.S. 2189) SEE F.B. 1209-27 FOR DESCRIPTION
		44.963					38.418			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 7:00-10.15AM Rod No. 7 & 8

Name L.A. Co Precise Level Net
Job No. 4923
From BM 8-33 To [illegible]
Date 12-18-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2810	44.963	187	3.421		5198	58.418	218	3.413	
	2625		184			4980		217		
	2439		371			4763		435		
9.	7872	2.624		3792		14941	4.980		3848	
		47.587					43.378			
										B.M 8-30
										SEE F B 1209-2
										FOR DESCRIPTION
	4372		101			1344		084		
	4271		100			1260		085		
	4171		201			1175		169		
10	12814	4.271		3.993		3779	1.260		4017	
	11978		086			4603		092		
	11892		084			4511		093		
	11808		170			4418		185		
11.	35678	11.893		4163		13532	4.511		4202	
	4840		261			5874		243		
	4579		262			5631		244		
	4317		523			5387		487		
12	13736	4.579		4686		16892	5.631		4689	
		68.330					54.800			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. HAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 7:00 - 10:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-33 To BM 8-21
Date 12-18-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4214 6882		173	4686		11205 4700		177	4689	
	4038		173			11043		174		
	3865		346			10869		351		
13	12114	4.038		5032		33132	11044		5040	
	3182		212			5721		211		
	2970		210			5510		212		
	2760		422			5298		423		
14	8912	2.971		5454		16529	5510		5463	
	5880		215			5478		210		
	5165		215			5268		210		
	4950		430			5058		420		SUMMATION OF RUN
15	15495	5.165		5884		15804	5268		5883	BM 8-33 TO BM 8-21
	5611		212			5100		210		TOTAL BACKSIGHTS + 91.134
	5399		212			4910		211		" FORESIGHTS − 86.379
	5187		424			4699		421		DIFF. IN ELEVATION + 4.755
16	16197	5.399		6308		14729	4910		6304	
	5443		212			5059		212		
	5231		211			4847		212		BM 8-27 (US 3959) (B 779)
	5020		423			4635		424		SEE F.B. 1209-26
17	15694	5.231		6731	5.99	14541	4847		6728	FOR DESCRIPTION
		91.134					86.379			

F.B. 1209 PG. 160

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 10:45 TO 11:50 Rod No. 788

Name L. A. Co. [illegible]
Job No. 4923
From B.M. 8-32 To B.M. 8-32
Date 12-18-51
Indexed A. C. J. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.258		213		#7	5.320		212		
	7.045		210			5.108		213		B.M. 8-32
	6.835		423			4.895		425		SEE F.B. [illegible]
1	21.138	7.046		425	56°	15.323	5.108		425	FOR DESCRIPTION
	5.078		213			5.675		215		T. E. LANDO
	4.865		213			5.460		212		
	4.652		426			5.248		427		
2	14.595	4.865		851		16.383	5.461		852	
	5.100		241			5.718		245		
	4.859		241			5.473		242		
	4.618		482			5.231		487		
3	14.577	4.859		1333		16.422	5.474		1339	
	4.817		215			5.788		214		
	4.602		213			5.574		214		
	4.389		428			5.360		428		
4	13.808	4.603		1761		16.722	5.574		1767	
	6.062		210			5.669		214		
	5.852		212			5.455		214		
	5.640		422			5.181		428		
5	17.554	5.851		2183		16.185	5.395		2195	
		27.224					27.012			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather CLEAR COOL Inst. No. 56010
Notes by G. E. DREIER Time 10:45 TO 11:50 A.M. Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-33 To B.M. 8-34
Date 12-18-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6120	27.224	215	2183		4920	27.012	227	2195	
	5905		216			4693		228		
	5689		431			4465		455		
6	17.714	5.905		2.614		14.078	4.693		2.650	SUMMATION OF RUN B.M. 8-33 TO B.M. 8-34
	4.868		197			4440		182		
	4.671		194			4258		183		TOTAL BACKSIGHTS + 47.539
	4.477		391			4075		365		TOTAL FORESIGHTS - 45.687
7	14.016	4.672		3.005		12.773	4.258		3.015	DIFF. IN ELEVATION + 1.852
	5092		181			4642		182		
	4.911		182			4460		185		
	4.729		363			4275		367		
8	14.732	4.911		3.368		13.377	4.459		3.382	
	5012		184			5445		180		
	4.828		186			5.265		180		B.M. 8-34
	4.642		370			5085		360		SEE F.B. 1205-29
9	14.482	4.827		3.738	60°	15.795	5.265		3.742	FOR DESCRIPTION
		47.539					45.687			

F.B. 1205 PG. 162

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 100 TO 145 PM Rod No. 798

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From B.M. 8-34 To B.M. 8-33
Date 12-18-51
Indexed A. J. JOE

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5420		180			4982		183		
	5240		180			4799		185		B.M. 8-34
	5060		360			4614		368		SEE FB 1209-29
1	15720	5240		360	62°	14395	4798		368	FOR DESCRIPTION
	4665		183			5122		184		π E. LANDO
	4482		181			4938		183		
	4301		364			4755		367		
2	13448	4483		724		14815	4938		735	
	4592		190			5003		190		
	4402		187			4813		191		
	4215		377			4622		381		
3	13209	4403		1101		14438	4813		1116	
	4985		225			6198		223		
	4760		222			5975		223		
	4538		447			5752		446		
4	14283	4761		1548		17925	5975		1562	
	4808		216			5260		211		
	4592		214			5049		211		
	4378		430			4838		422		
5	13778	4593		1978		15147	5049		1984	
		23480					25573			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. C. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G. E. DREER Time 1:00 TO 1:45 Rod No. 788

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-34 To B.M. 8-33
Date 12-18-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5778	23.480	214	1978		4808	25.573	212	1984	
	5564		213			4596		214		
	5351		427			4382		426		SUMMATION OF RUN
6	16.693	5.564		2.405		13.786	11.595		2.410	B.M. 8-34 TO B.M. 8-33
	5772		244			5151		241		
	5528		245			4910		241		TOTAL BACKSIGHTS + 43.896
	5283		489			4669		482		TOTAL FORESIGHTS - 45.745
7	16.583	5.528		2.894		14.730	4.910		2.892	DIFF IN ELEVATION - 1.849
	5130		214			4538		215		
	4916		214			4323		213		
	4702		428			4110		428		
8	14748	4.916		3.322		12971	4.324		3.320	
	4622		214			6552		209		
	4408		213			6343		208		BM. 8-33
	4195		427			6135		417		SEE C.B. 1203-28
9	13225	4.408		3.749	44°	19030	6.343		3.737	FOR DESCRIPTION
		43.896					45.745			

F.B. 1205 PG. 164

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:05 - 2:55 P.M. Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-34 To B.M. 8-35
Date 12-18-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6385		212		#7	5450		212		
	6173		210			5238		214		B.M. 8-34
	5963		422			5024		426		SEE F.B. 1209-29
1	18521	6.174		422	64°	15712	5.237		426	FOR DESCRIPTION
	4841		214			4942		213		
	4627		213			4721		211		T.G.E. DREIER
	4414		427			4518		424		
2	13882	4.627		849		14189	4.730		850	
	5013		210			4867		213		
	4803		212			4654		212		
	4591		422			4442		425		
3	14407	4.802		1271		13963	4.654		1275	
	4762		211			4892		214		
	4551		211			4678		212		
	4340		422			4466		426		
4	13653	4.551		1693		14036	4.679		1701	
	5325		213			5402		211		
	5112		211			5191		212		
	4901		424			4979		423		
5	15338	5.113		2117		15572	5.191		2124	
		25.267					24.491			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINOOK Time 2:05-2:[illegible] P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From B.M. 8-34 To B.M. 8-[illegible]
Date 12-18-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5076	5.267	214	2117		4753	4.491	212	2124	
	4862		212			4541		212		
	4650		426			4329		424		
6	14588	4.863		2543		13623	4.541		2548	
	5650		212			5618		215		
	5438		212			5403		213		
	5226		424			5190		428		
7	16314	5.438		2967		16211	5.404		2976	
	5381		212			5487		215		
	5169		211			5272		213		
	4958		423			5059		428		
8	15508	5.169		3390		15818	5.[illegible]73		3404	
	5017		216			4872		210		
	4801		214			4662		210		
	4587		430			4452		420		
9	14405	4.802		3820		13986	4.662		3824	
	5157		212			4254		212		
	4945		213			4042		211		
	4732		425			3831		423		
10	14834	4.945		4245		12127	[illegible]42		4247	
		50.484					48.413			

F.B. 1209 PG. 166

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:05 - 2:55 PM Rod No. 7 & 8

Name L.A. Co. Pres. St. Leveling
Job No. 4923
From BM 8-34 To BM 8-35
Date 12-18-51
Indexed A. O. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5228	50.484	212	4.245		4833	48.413	211	4.247	
	5016		211			4622		212		SUMMATION OF [illegible]
	4805		423			4410		423		BM 8-34 TO BM 8-35
11	15049	5.016		4668		13865	4.622		4670	
	5079		160			5210		160		TOTAL BACKSIGHTS + 4.701
	4919		160			5050		160		" FORESIGHTS + 5.081
	4759		320			4890		320		DIFF. IN ELEVATION - 0.380
12	14757	4.919		4988		15150	5.050		4990	
	4443		161			7152		156		
	4282		161			6996		156		BM 8-35
	4121		322			6840		312		SEE F.B. 1209-30
13	12846	4.282		5310	62°	20988	6.996		5302	FOR DESCRIPTION
		64.701					65.081			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1709 PG. 43

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:00-3:45PM Rod No. 7 & 8

Name L.A. CO. PRECISE LEVELING
Job No. 4723
From B.M. 8-35 To B.M. 8-34
Date 12-18-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7102		159		#7	4387		159		
	6943		160			4228		160		BM 8-35
	6783		319			4068		319		SEE F.B. 1404-30
1	20828	6943		319	60°	12683	4228		319	FOR DESCRIPTION
	5100		160			4970		159		
	4940		160			4811		159		TAGE DREIER
	4780		320			4652		318		
2	14820	4940		639		14433	4811		637	
	5070		212			5462		211		
	4858		211			5251		211		
	4647		423			5040		422		
3	14575	4858		1062		15753	5251		1059	
	3929		213			4831		210		
	3716		214			4621		210		
	3502		427			4411		420		
4	11147	3716		1489		13863	4621		1479	
	4792		212			4929		213		
	4580		212			4716		213		
	4368		424			4503		426		
5	13740	4580		1913		14148	4716		1905	
		~~25.087~~ 25.037					23.627			

F.B. [illegible] PG. [illegible]

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:00-3:45 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-35 To BM 8-34
Date 12-18-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5477	~~23.037~~ 25.037	215	1913		5373	23.627	212	1905	
	5262		213			5161		211		
	5049		428			4950		423		
6.	15788	5.263		2341		15484	5161		2328	
	5579		214			5612		212		
	5365		213			5400		212		
	5152		427			5188		424		
7	16096	5.365		2768		16200	5400		2.752	
	4645		211			4977		218		
	4434		207			4759		217		
	4227		418			4542		435		
8.	13306	4.435		3186		14278	4.759		3187	
	5177		211			5099		215		
	4966		213			4884		213		
	4753		424			4671		428		
9.	14896	4.965		3610		14654	4.885		3615	
	4824		212			4699		211		
	4612		212			4488		211		
	4400		424			4277		422		
10.	13836	4.612		4034		13464	4488		4037	
		~~47.674~~ 49.677					48.320			

F.B. 1209 PG. 172

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:00-3:45 P.M. Rod No. 7 & 8

Name L.A.Co. PRECISE [illegible]
Job No. 4923
From BM 8-35 To BM 8-34
Date 12-18-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4621	~~47.677~~	210	4.034		4769	48.320	212	4.037	
	4411	49.677	212			4557		212		SUMMATION OF R N
	4199		422			4345		424		B.M. 8-35 TO B.M. 8-34
11.	13231	4.410		4.456		13671	4.557		4.461	
	4788		213			4688		213		TOTAL BACKSIGHTS = 63.396
	4575		212			4475		212		" FORESIGHTS = 63.022
	4363		425			4263		425		DIFF. IN ELEVATION = 0.37
12.	13726	4.575		4.881		13426	4.475		4.886	
	4947		213			5879		209		
	4734		212			5670		210		B.M. 8-34
	4522		425			5460		419		SEE F.B. 1009-29
13.	14203	4.734		5.306	59°	17009	5.670		5.305	FOR DESCRIPTION
		63.396					63.022			

F.B. [illegible] PG. [illegible]

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B.S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 202 PG. 122										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:50-10:50AM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NO.
Job No. 4923
From BM 8-35 To BL 8-37
Date 12-19-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6590		213		#7	6552		212		
	6377		212			6340		212		B.M. 8-35
	6165		425			6128		424		SEE F.B. 1207-3
1.	19132	6377		425	56°	19020	6.340		424	FOR DESCRIPTION
	6142		212			5723		212		
	5930		212			5511		211		⊼ H.F. NAUMANN
	5718		424			5300		423		
2.	17790	5.930		.849		16534	5.511		.847	
	5808		215			5269		212		
	5593		213			5057		213		
	5380		428			4844		425		
3.	16781	5.594		1.277		15170	5.057		1.272	
	5124		204			5280		205		
	4920		204			5075		205		
	4716		408			4870		410		
4.	14760	4.920		1.685		15225	5.075		1.682	
	6793		191			5852		196		
	6602		191			5656		198		
	6411		382			5458		394		
5.	19806	6.602		2.067		16966	5.655		2.076	
		29.423					27.638			

F.B. [illegible] PG. [illegible]

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:50-10:15 AM Rod No. 7 & 8

Name L.A.C. Precise Level
Job No. 4923
From BM 8-35 To BM 8-37
Date 12-19-51
Indexed A. S. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4879	4.423	192	2.067		6285	7.638	187	2.076	
	4687		193			6098		188		
	4494		385			5910		375		
6	14069	4.687		2.452		18293	6.098		2.451	
		34.110					38.776			
										BM 8-36 SEE F.B 1209-31 FOR DESCRIPTION
	6144		216			5528		213		
	5928		217			5315		212		
	5711		433			5103		425		
7	17783	5.928		2.885		15946	5.315		2.876	
	5889		210			5378		215		
	5679		211			5183		212		
	5468		421			4971		427		
8	17036	5.679		3.306		15552	5.184		3.303	
	5847		214			5367		215		
	5633		211			5152		214		
	5422		425			4938		429		
9	16902	5.634		3.731		15457	5.152		3.732	
		51.351					47.317			

F.B. 1209 PG. 174

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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

Chief of Party H. F. [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:50-10:50AM Rod No. 7 & 8

Name L.A. Co. Pres. [illegible]
Job No. 4923
From BM 8-35 To [illegible] 8-37
Date 12-19-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5753	51.351	213	3.731		5830	49.387	213	3.732	
	5540		212			5617		211		
	5328		425			5406		424		
10	16621	5.540		4156		16853	5.618		4156	
	6767		256			5535		256		
	6511		255			5279		255		
	6256		511			5024		511		
11	19534	6.511		4667		15838	5.279		4667	
	4839		213			5226		215		
	4626		213			5011		213		
	4413		426			4798		428		
12	13878	4.626		5.093		15035	5.012		5095	
	5857		213			6084		212		
	5646		211			5872		212		
	5435		424			5660		424		
13	16940	5.647		5517		17616	5.872		5519	
	6462		212			5549		210		
	6250		211			5337		211		
	6039		423			5122		421		
14	18751	6.250		5940		16016	5339		5940	
		79.925					76.507			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 500[illegible]
Notes by S. SHINODA Time 9:50-10:5[illegible] AM Rod No. 7[illegible]

Name L.A. Co. Precise Level [illegible]
Job No. 4923
From BM 8-35 To BM 8-37
Date 12-19-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5506	79.[illegible]	224	5940		6801	76.507	225	5940	
	5282		224			6576		225		BM 8-37
	5058		448			6351		450		SEE F.B. 1209-32
15	15846	5282		6388	56°	19728	6576		6390	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 8-35 TO B.M. 8-37
										TOTAL BACKSIGHTS +85.[illegible]
										" FORESIGHTS -83.[illegible]3
										DIFF IN ELEVATION +2.124
		85.207					83.083			

F.B. 1209 PG. 176

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50AM Rod No. 7 & 8

Name L.A. Co. Dre[illegible]
Job No. 4[illegible]
From BM 8-37 To [illegible] 8-35
Date 12-19-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6777 [illegible] [illegible] [illegible]	6.552	225 224 449	449	#7 53°	[illegible] 5258 5034 [illegible]	5.258	223 224 447	447	BM 8-37 SEE F.B. 1207-[illegible] FOR DESCRIPTION
2	[illegible] [illegible] [illegible] [illegible]	5.350	213 211 424	873		[illegible] [illegible] 6050 [illegible]	[illegible]	[illegible] [illegible] [illegible]	873	* H.F. NAUMANN
3	6060 [illegible] [illegible] [illegible]	5.847	215 213 426	[illegible]		5833 5621 5410 16864	5.621	212 211 [illegible]	[illegible]	
4	[illegible] [illegible] [illegible] [illegible]	[illegible]	215 212 427	1.726		4844 4632 4420 13896	[illegible]	212 [illegible] 424	1.720	
5	[illegible] [illegible] [illegible] [illegible]	[illegible]	254 [illegible] 508	2.254		6833 6577 6320 [illegible]	[illegible]	256 257 513	2.253	
		[illegible]					28.351			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Cloudy Inst. No. 50010
Notes by S. [illegible] Time 8:45-9:15 AM Rod No. 7 & 8

Name LA Co Precise Level [illegible]
Job No. 4155
From Rm 2-37 To Rm [illegible]
Date 12-19-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5821	28109	213	2234		5748	[illegible]	215	2233	
	5608		211			5533		212		
	5397		424			5321		427		
6	16826	5609		2658		16602	5534		2660	
	5361		215			5140		212		
	5146		214			5628		212		
	4931		424			5416		424		
7	15438	5142		3085		16184	[illegible]		3084	
	5412		212			5412		213		
	5200		211			5199		211		
	4989		423			5000		424		
8	15618	[illegible]		3511		17105	[illegible]		3505	
	5500		211			6195		216		
	5289		211			5979		211		
	5078		421			5768		422		
9	16867	[illegible]		3923		17150	[illegible]		3738	
										B.M. 6-56 (Glenmuatte J-11) See F.B. 1209-31 for description
		[illegible]					5718			

F.B. 1209 PG. 178

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50 AM Rod No. 50010

Name L.A. Co. Pre. Se. Le[illegible]
Job No. 4923
From BM 8-37 To B[illegible]
Date 12-19-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6302	49.381	190	3932		4891	51.132	191	3938	
	6112		190			4700		189		
	5922		380			4511		380		
10	18336	6.112		4312		14102	4.701		4318	
	5817		198			6757		194		
	5619		197			6563		191		
	5422		395			6372		385		
11	16858	5.619		4707		19692	6.564		4703	
	5303		206			5148		205		
	5097		203			4943		205		
	4894		409			4738		410		
12	15294	5.098		5116		14829	4.943		5113	
	5303		211			5842		214		
	5092		210			5628		214		
	4882		421			5414		428		
13	15277	5.092		5537		16884	5.628		5541	
	5951		215			6167		210		
	5536		214			5957		210		
	5322		429			5747		420		
14	16609	5.536		5966		17871	5.957		5961	
		76.838					78.925			

F.B. [illegible] PG. 179

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NA[illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50 AM Rod No. 7 & 8

Name LA Co PRECISE LEVEL N[illegible]
Job No. 4923
From BM 8-37 To BM 8-[illegible]
Date 12-19-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6579	76.13[illegible]	212	5[illegible]		6616	[illegible]	214	5961	
	6367		212			6402		213		BM 8-35
	6155		424			6189		427		SEE F.B. 1209-80
15	19101	6367		659[illegible]	562	19207	6[illegible]		6388	FOR DESCRIPTION
										SUMMATION OF RUN BM 8-37 TO BM 8-[illegible]
										TOTAL BACKSIGHTS +83.[illegible] FORESIGHTS -85.[illegible] DIFF IN ELEVATION -2.1[illegible]
		13.205					15.27			

F.B. 1209 PG. 180

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:45-9:20AM Rod No. 7 & 8

Name L.A. Co. PRECISE LE[illegible]
Job No. 4923
From BM 8-37 To BM 8-38
Date 12-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6010		213		#7	5871		211		
	5797		211			5660		213		B.M. 8-37
	5586		424			5447		424		SEE F.B. 1209-32
1.	17393	5.798		424	50°	16978	5.659		424	FOR DESCRIPTION
	5004		212			5218		215		
	4792		213			5003		212		⊼ G.E. DRIVER
	4579		425			4791		427		
2	14375	4.792		.849		15012	5.004		.851	
	5309		213			5405		212		
	5096		214			5193		212		
	4882		427			4981		424		
3	15287	5.096		1.276		15579	5.193		1.275	
	5752		211			4980		211		
	5541		210			4769		211		
	5331		421			4558		422		
4.	16624	5.541		1.697		14307	4.769		1.697	
	5369		211			5525		213		
	5158		211			5312		212		
	4947		422			5100		425		
5.	15474	5.158		2.119		15937	5.312		2.122	
		26.385					25.937			

F.B. [illegible] PG. 18

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:20 AM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL [illegible]
Job No. 4923
From BM 8-37 To BM 8-38
Date 12-17-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5472	26385	211	2119		4815	25937	213	2122	
	5261		211			4602		214		
	5050		422			4388		427		
6	15783	5261		2541		13805	4602		2549	
	5428		214			5072		211		
	5214		212			4861		212		SUMMATION OF RUN
	5002		426			4649		423		B.M. 8-37 TO BM 8-38
7	15644	5215		2967		14582	4861		2972	
	5708		229			5306		227		TOTAL BACKSIGHTS +48.032
	5479		228			5079		227		" FORESIGHTS −44.942
	5251		457			4852		454		DIFF. IN ELEVATION +3.090
8	16438	5479		3424		15237	5079		3426	
	5911		219			4683		220		
	5692		217			4463		220		B.M. 8-38 (CLEARWATER G[illegible])
	5473		438			4243		440		SEE F.B. 1209-33
9	17076	5692		3862	53°	13389	4463		3866	FOR DESCRIPTION
		48.032					44.942			

F.B. 1209 PG. 182

FORM 379 SM 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:20 AM-10:00 AM Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4923
From BM 8-38 To [illegible] 8-4[illegible]
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5071		058		#7	4662		057		B.M. 8-38 (Clearwater [illegible])
	5013		058			4605		057		SEE F.B. 1209-33
	4955		116			4548		114		FOR DESCRIPTION
1	15039	5.013		116	53°	13815	4.605		114	T G E. Dreier
										B.M. 8-39 (U.S. 3953) ([illegible]780)
										SEE F.B. 1209-33
										FOR DESCRIPTION
	4781		202			5355		214		
	4579		202			5141		216		
	4377		404			4925		430		
2	13737	4.579		.520		15421	5.140		.544	
	5837		221			5248		208		
	5616		219			5040		209		
	5397		440			4831		417		
3	16850	5.617		.960		15119	5.040		.961	
	5843		213			5352		210		
	5630		213			5142		212		
	5417		426			4930		422		
4	16890	5.630		1386		15424	5.141		1383	
		20.839					19.926			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:20-10.00 AM Rod No. 7 & 8

Name L.A. Co Precise Level No.
Job No. 4923
From BM 8-38 To BM 8-40
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6537	20.839	215	1386		5138	19.926	213	1383	
	6322		212			4925		212		
	6110		427			4713		425		
5	18969	6.323		1.813		14776	4.925		1.808	
	6598		211			5099		215		
	6387		211			4884		213		
	6176		422			4671		428		
6	19161	6.387		2235		14654	4.885		2236	
	6276		212			5500		213		
	6064		212			5287		214		
	5852		424			5073		427		
7	18192	6.064		2659		15860	5.287		2663	
	5802		212			4846		213		
	5590		211			4633		211		
	5379		423			4422		424		
8	16771	5.590		3082		13901	4.634		3.087	
	6510		247			4671		247		
	6263		245			4423		246		
	6018		492			4177		493		
9	18791	6.264		3.574		13271	4.424		3.580	
		51.467					44.081			

F.B. 1209 PG. 184

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:20-10:00 AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4723
From BM 8-38 To BM 8-40
Date 12-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6083	51.467	213	3574		4329	44.081	211	3.580	
	5870		213			4118		211		B.M 8-40 (US 3740) (J615)
	5657		426			3907		422		SEE F.B 1209-34
10	17610	5870		4000	58°	12354	4118		4002	FOR DESCRIPTION
										SUMMATION OF R 1
										B.M 8-38 TO BM 8-40
										TOTAL BACKSIGHTS - 57.337
										" FORESIGHTS - 48.19
										DIFF IN ELEVATION - 9.138
		57.337					48.199			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1209 PG. 186

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:10-2:50 PM Rod No. 788

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From B.M. 8-40 To B.M. 8.38
Date 12-20-51
Indexed A. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4248		211		#7	6004		213		
	4037		211			5791		212		B.M. 8-40 (U.S.C.&G.S.) (4615)
	3826		422			5579		425		SEE F.B. 1209-31
1.	12111	4.037		422	68°	17374	5.791		425	FOR DESCRIPTION
	4549		248			6388		247		
	4301		248			6141		248		⊼ G.E. DREIER
	4053		496			5893		495		
2	12903	4.301		918		18422	6.141		920	
	4995		212			5952		210		
	4783		212			5742		211		
	4571		424			5531		421		
3.	14349	4.783		1342		17225	5.742		1341	
	5375		213			6152		212		
	5162		212			5940		212		
	4950		425			5728		424		
4	15487	5.162		1767		17820	5.940		1765	
	4878		212			6379		213		
	4666		214			6166		214		
	4452		426			5952		427		
5.	13996	4.665		2193		18497	6.166		2192	
		22.948					29.780			

F.B. 1209 PG. 187

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:10-2:50 P.M. Rod No. 7 & 8

Name LA Co PRECISE LEVEL NET
Job No. 4923
From BM 8-40 To BM 8-[illegible]
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4983	22948	211	2193		6383	21780	212	2192	
	4772		210			6171		213		
	4562		421			5958		425		
6	14317	4772		2614		18512	6171		2617	
	5459		213			5949		215		
	5246		213			5734		212		
	5033		426			5522		427		
7	15738	5246		3040		17205	5735		3044	
	5310		213			5883		214		
	5097		215			5669		212		
	4882		428			5457		426		
8	15289	5096		3468		17009	5670		3470	
	5325		214			4750		201		
	5111		214			4549		201		
	4897		428			4348		402		
9	15333	5111		3896		13647	4549		3872	
										B.M 8-39 (U.S 3953) (H780 SEE F.B 1209-33 FOR DESCRIPTION
		43.173					51.905			

F.B. 1209 PG. 188

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:10-2:50 P.M. Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-40 To B.M. 8-38
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4623	43.173 ✓	054	3896 ✓		5040	51.905 ✓	062	3872 ✓	
	4567		053			4978		062		B.M. 8-38 (CLEARWATER [illegible])
	4516		107 ✓			4916		124 ✓		SEE F.B. 1601-33
10	13708 ✓	4569 ✓		4003 ✓	69°	14934 ✓	4.978 ✓		3996 ✓	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 8-40 TO B.M. 38
										TOTAL BACKSIGHTS +47.742 ✓
										" FORESIGHTS -56.883 ✓
										DIFF IN ELEVATION -9.141 ✓
		47.742 ✓					56.883 ✓			

F.B. 1700 PG. 189

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1209 PG. 190

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. HAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:25 AM Rod No. 7 & 8

Name L.A. Co. Pe[illegible]
Job No. 4925
From BM 8-40 To E 8-42
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.742		210		#7	5.145		214		
	5.532		210			4.931		211		B.M. 8-40 (U.S.C.&G.S.) 4.615
	5.322		420			4.720		425		SEE F.B. 1209-34
1	16.596	5.532		420	60°	14.796	4.932		425	FOR DESCRIPTION
	5.973		213			4.777		215		
	5.760		210			4.562		212		E. LANDA
	5.550		423			4.350		427		
2	17.283	5.761		843		13.689	4.563		852	
	6.518		213			3.758		214		
	6.305		210			3.544		211		
	6.095		423			3.332		425		
3	18.918	6.306		1.266		10.634	3.545		1.277	
	6.875		214			4.668		216		
	6.661		211			4.453		212		
	6.450		425			4.240		428		
4	19.986	6.602		1.691		13.361	4.454		1.705	
	6.020		210			4.685		212		
	5.810		211			4.473		211		
	5.599		421			4.262		423		
5	17.429	5.810		2.112		13.420	4.473		2.128	
		30.071					21.967			

F.B. 1242 PG. 191

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:00-11:25 A.M. Rod No. 1.C.S.

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-40 To B.M. 8-46
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6355	30.071	213	2.112		4560	21.967	212	2128	
	6142		212			4348		213		
	5930		424			4135		425		
6	18429	6142	5	2.536		13043	4348		2553	
	6401		209			5088		216		
	6192		210			4872		214		
	5982		419			4658		430		
7	18575	6192	6	2.958		14618	4873		2983	
	5982		217			4699		208		
	5765		220			4491		207		
	5545		437			4284		415		
8	17292	5.764	3	3.392		13474	4491		3.398	
	6198		216			4202		213		
	5982		212			3989		214		
	5770		428			3775		427		
9	17950	5.983	1	3.820		11966	3989		3.825	
	6142		212			4160		215		
	5930		211			3945		213		
	5719		423			3732		428		
10	17791	5.930	2	4.243		11837	3946		4.253	
		60.082					43.614			

F.B. 1209 PG. 192

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:00-11:25 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Levelling
Job No. 4923
From BM 8-40 To BM 8-42
Date 12-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.499	60.082	214	4.243		4.924	43.614	212	4.253	
	6.285		214			4.712		212		
	6.071		428			4.500		424		
11	18.855	6.285		4.671		14.136	4.712		4.677	
	6.750		215			4.565		213		
	6.535		213			4.352		212		
	6.322		428			4.140		425		
12	19.607	6.536		5.099		13.057	4.352		5.102	
	7.638		214			3.860		215		
	7.424		213			3.645		213		
	7.211		427			3.432		428		
13	22.273	7.424		5.526		10.937	3.646		5.530	
	7.010		220			3.590		215		
	6.790		218			3.375		215		
	6.572		438			3.160		430		
14	20.372	6.791		5.964		10.125	3.375		5.960	
	7.610		220			3.502		220		
	7.390		220			3.282		221		
	7.170		440			3.061		441		
15	22.170	7.390		6.404		9.845	3.282		6.404	
		94.508					62.981			

F.B. 1218 PG. 102

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:25 Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-40 To B.M. 8-42
Date 12-20-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7.508	94.508	213	640		3.570	62.981	212	640	
	7.295		214			3.358		213		SUMMATION OF RUN
	7.081		427			3.145		425		B.M. 8-40 TO B.M. 8-42
16	21.884	7.295		683		10.073	3.358		682	
	8.580		215			1.785		207		TOTAL BACKSIGHTS + 115.043
	8.365		215			1.578		210		TOTAL FORESIGHTS − 70.933
	8.150		430			1.368		417		DIFF IN ELEVATION + 44.110
17	25.095	8.365		726		4.731	1.577		724	
		110.168					67.916			
										B.M. 8-41 (US 2762) (92 CL.3.) SEE F.B. 1209-35 FOR DESCRIPTION
	4.958		83			3.102		84		
	4.875		83			3.018		87		B.M. 8-42 U.S. 3950 (W 776)
	4.792		166			2.931		171		SEE F.B. 1209-35
18	14.625	4.875		742	610	9.051	3.017		741	FOR DESCRIPTION
		115.043					70.933			

F.B. 1209 PG. 194

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. OREIER Time 11:30-2:05 P.M. Rod No. 798

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-42 To B.M. 8-40
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3051 2967 2881		84 86 170			4906 4823 4742		83 81 164		B.M. 8-42 (U.S. 3952 N 776) SEE F.B. 1209-35 FOR DESCRIPTION
1	8899	2966		170	62°	14471	4824		164	
										B.M. 8-41 (U.S. 2763 92 C.L.E.) SEE F.B. 1209-35 FOR DESCRIPTION
	1820 1610 1400		210 210 420			8615 8400 8185		215 215 430		TO E. LANDA
2	4830	1610		590		25200	8400		594	
	3602 3390 3179		212 211 423			7541 7328 7115		213 213 426		
3	10171	3390		1013		21984	7328		1020	
	3502 3282 3062		220 220 440			7610 7390 7170		220 220 440		
4	9846	3282		1453		22170	7390		1460	
		11248					27942			

F.B. 1244 PG. 107

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 11:30-2:05 P.M. Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4922
From BM 8-42 To BM 8-40
Date 12-20-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.590	11.248	217	1.453		7.010	22.942	219	1.460	
	3.373		215			6.791		216		
	3.158		432			6.575		435		
5	10.121	3.374		1.885		20.376	6.792		1.895	
	3.908		213			7.679		209		
	3.695		215			7.470		210		
	3.480		428			7.260		419		
6	11.083	3.694		2.313		22.409	7.470		2.314	
	4.302		212			6.689		214		
	4.290		210			6.475		213		
	4.080		422			6.262		427		
7	12.872	4.291		2.735	65°	19.426	6.475		2.741	STOPPED 1 HOUR 12:00 TO 1:00
	4.820		212			6.392		214		
	4.608		213			6.178		213		
	4.395		425			5.965		427		
8	13.823	4.608		3.160	65°	18.535	6.178		3.168	
	4.105		213			6.092		214		
	3.892		212			5.878		212		
	3.680		425			5.666		426		
9	11.677	3.892		3.585		17.636	5.879		3.594	
		31.107					60.736			

F.B. 1209 PG. 196

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 11:30-2:05 P.M. Rod No. 788

Name L.A.C. PRECISE LEVELNET
Job No. 4923
From B.M. 8-42 To B.M. 8-40
Date 12-20-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.205	31.157	213	3.585		6.200	60.736	214	3.594	
	3.992		213			5.986		216		
	3.779		426			5.770		430		
10	11.976	3.992		4.011		17.956	5.985		4.024	
	4.820		215			6.089		211		
	4.605		215			5.878		213		
	4.390		430			5.665		424		
11	13.815	4.605		4.441		17.632	5.877		4.448	
	5.091		213			6.410		211		
	4.878		213			6.199		214		
	4.665		426			5.985		425		
12	14.634	4.878		4.867		18.594	6.198		4.873	
	4.488		214			6.282		212		
	4.274		212			6.070		212		
	4.062		426			5.858		424		
13	12.824	4.275		5.293		18.210	6.070		5.297	
	4.582		212			5.918		214		
	4.370		212			5.704		212		
	4.158		424			5.492		426		
14	13.110	4.370		5.717		17.114	5.705		5.723	
		53.227					90.571			

F.B. 1722 PG. 127

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 - 2:05 P.M. Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-42 To B.M. 8-40
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.618	53.227	213	5.717		6.828	90.571	213	5.723	
	4.405		213			6.615		213		
	4.192		426			6.402		426		SUMMATION OF RUN
15	13.215	4.405		6.143		19.845	6.615		6.149	B.M. 8-42 TO B.M. 8-40
	3.525		213			6.287		212		
	3.312		211			6.075		213		TOTAL BACKSIGHTS + 70.286
	3.101		424			5.862		425		TOTAL FORESIGHTS - 114.404
16	9.938	3.313		6.567		18.224	6.075		6.574	DIFF IN ELEVATION - 44.118
	4.763		213			5.960		210		
	4.550		212			5.750		212		
	4.338		425			5.538		422		
17	13.651	4.550		6.992		17.248	5.749		6.996	
	5.002		210			5.605		210		
	4.792		212			5.395		212		B.M. 8-40 (W.S. 3740) (W 6157)
	4.580		422			5.183		422		SEE F.B. 1209-34
18	14.374	4.791		7.414	68°	16.183	5.394		7.418	FOR DESCRIPTION
	70.286					114.404				

F.B. 1209 PG. 198

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:50-3:25PM Rod No. 7 & 8

Name L.A.Co. PRECISE LE[illegible] NET
Job No. 4923
From BM 8-38 To B[illegible]-37
Date 12-20-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4613		220		#7	5842		220		
	4393		220			5622		221		BM 8-38 (CLEAR W[illegible] GN)
	4173		440			5401		441		SEE F.B. 1209-3[illegible]
1	13179	4.393		440	69°	16865	5.622		441	FOR DESCRIPTION
	5279		228			5680		227		
	5051		226			5453		226		T.G.E. DREIER
	4825		454			5227		453		
2	15155	5.052		894		16360	5.453		894	
	5129		212			5482		212		
	4917		211			5270		213		
	4706		423			5057		425		
3	14752	4.917		1317		15809	5.270		1319	
	4910		214			5570		212		
	4696		214			5358		213		
	4482		428			5145		425		
4	14088	4696		1745		16073	5.358		1.744	
	5639		215			5479		212		
	5424		212			5267		212		
	5212		427			5055		424		
5	16275	5.425		2172		15801	5.267		2.168	
		24.483					26970			

F.B. ____ PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:50 - 3:25 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-38 To BM 8-37
Date 12-20-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4961	24.483	213	2172		5732	26.970	211	2,168	
	4748		214			5521		212		
	4534		427			5309		423		
6	14243	4.748		2599		16562	5.521		2591	
	5423		212			5322		213		
	5211		213			5109		214		SUMMATION OF RUN
	4998		425			4895		427		B.M. 8-38 TO B.M. 8-37
7	15632	5.211		3024		15326	5.109		3.018	
	5252		212			5048		215		TOTAL BACKSIGHTS +45.151
	5040		211			4833		212		" FORESIGHTS -48.237
	4829		423			4621		427		DIFF. IN ELEVATION -3.086
8	15121	5.040		3447		14502	4.834		3445	
	5881		212			6017		214		
	5669		212			5803		213		B.M. 8-37
	5457		424			5590		427		SEE F.B. 1209-32
9	17007	5.669		3871	63°	17410	5.803		3872	FOR DESCRIPTION
		45.151					48.237			

F.B. 1209 PG. 200

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. Naumann Weather Clear Inst. No. 50010
Notes by E. Landa Time 9:50 to 10:55 Rod No. 7 & 8

Name L.A.Co Precise Level Net
Job No. 4923
From B.M. 8-42 To B.M. 8-43
Date 12-26-51
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	1408 1193 981 3582	1194	215 212 427	427	#7 61°	9544 9332 9121 27997	9332	212 211 423	423	B.M. 8-42 (LS-59 [illegible]) See F.B. 1209-35 for description
2	0.922 0.710 0.490 2131	0.710	212 211 423	850		10340 10127 9913 30380	10127	213 214 427	850	
3	0.948 0.767 0.573 2208	0.736	211 214 425	1275		9076 8862 8648 26586	8862	214 214 428	1278	
4	4744 4533 4322 13599	4533	211 211 422	1697		5937 5722 5508 17167	5722	215 214 429	1707	
5	5920 5768 5554 17302	5767	212 214 426	2123		3739 3526 3313 10578	3526	213 213 426	2133	
		12946					37569			

F.B. 1209 PG. 201

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. [illegible] Weather Clear Inst. No. [illegible]
Notes by E. Landa Time 9:50 to 10:35 Rod No. 78 8

Name L.A. Co Precise Level [illegible]
Job No. 4923
From B.M. 8-42 To B.M. 8-43
Date 12-26-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	7562 7347 7134 22043	12940 7348	215 213 428	2123 2551		5377 5764 4903 15494	5769 5165	213 211 424	2133 2557	Summation of Run B.M. 8-42 to B.M. 8-43
7	5456 5242 5029 15127	5242	214 213 427	2978		5976 5762 5549 17287	5762	214 213 427	2984	Total Backsights = 54759 Total foresights = 60600 diff in elev = 25841
8	4344 4084 3825 12253	4084	260 259 519	3497		6598 6337 6076 19011	[illegible]	261 261 522	3506	
9	5403 5144 4887 15434	5145	259 257 516	401.3	65°	6021 5767 5513 17301	5767	254 254 508	4014	B.M. 8-43 (U.S. 3954) 93 (C.[illegible]) See F.B. 1209-36 for description
		34759					60600			

F.B. 1209 PG 202

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by E. Landa Time 9:10 to 9:50 Rod No. 7 & 8

Name L. A. Co. Precise Level Net
Job No. 4923
From B.M. 8-43 To B.M. 8-42
Date 12-26-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6033 5778 5525 17336	5779	255 253 508	508	#7 57°	5412 5155 4898 15465	5155	257 257 514	514	B.M. 8-43 (1653 [illegible] 93(63) See F.B. 1207 (36 for description
2	6567 6303 6043 18916	6305	261 263 522	1032		4318 4057 3798 12173	4058	261 259 520	1034	
3	5931 5718 5506 17155	5718	213 212 425	1457		5209 5197 4983 15389	5196	212 212 424	1460	
4	5372 5160 4948 15480	5160	212 212 424	1881		7358 7345 7132 22035	7345	213 213 426	1886	
5	3722 3510 3298 10530	3510	212 212 424	2305		5962 5749 5537 17248	5749	213 212 425	231.1 ~~2291~~	
		26472					27503			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party P. F. Naumann Weather Clear Inst. No. 50010
Notes by E. Landa Time 9:10 am to 9:[illegible] Rod No. 78 8

Name L.A. Co. Precise Level Nat
Job No. 9923
From B.M. 8-43 To B.M. 8-42
Date 12-26-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5852 5640 5428 16920	26472 5640	212 212 424	2302 2729		4668 4454 4242 3364	2[illegible]3 [illegible]55	214 212 426	~~2291~~ 231.1 2737 ~~2717~~	B.M. 8
7	8968 8757 8546 26271	8757	211 211 422	3131		[illegible] 0.630 0.417 1.893	0.631	214 213 427	3164 ~~3140~~	Summation of Run B.M. 8-43 to B.M. 8-42
8	10311 10097 9886 30294	10098	214 211 425	3576		0.899 0.686 0.473 2.058	0.686	213 213 426	3590 ~~3570~~	Total Backsight = 60341 Total foresight = 34508 diff. in Elev. + 25.833
9	9586 9373 9162 28121	9374	213 211 424	4000	61°	1447 1233 1020 3700	1233	214 213 427	4017 ~~3991~~	B.M. 8-42 (US 3920) (W 776) See F.B. 1209-35 for description
10										

F.B. 1209 PG 204

60341 34508

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. Naumann Weather Clear Inst. No. 50010
Notes by E. Landa Time 11:30 to 1:55 Rod No. 78

Name L.A.C. Precise Level Lot
Job No. 4923
From B.M. 8-43 To B.M. 8-45
Date 12-26-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6347 6181 6017 18545	6182	166 64 330	330	#7 67°	1412 1443 1278 4333	1444	169 165 334	334	B.M. 8-45 (Cl.S. 395 [illegible] 93 [illegible]) See F.B. 1209-36 for description
										⊼ H.F. Naumann B.M. 8-44 (Cl.S. 2763 [illegible] 98) See F.B. 1209-36 for description
2	2488 2316 2141 6946	2315	173 175 348	678		5228 5051 4873 15152	5051	177 178 355	689	
3	7680 7441 7202 22323	7441	239 239 478	1156		4969 4739 4509 14217	4739	230 230 460	1149	
4	7521 7306 7092 21919	7306	215 214 429	1585		4421 4212 4004 12637	4212	209 208 417	1566	
		23244					15446			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Clear Inst. No. 50010
Notes by E. Landa Time 11:30 am to 1:35 Rod No. 788

Name L.A.Co. Precise Level Net
Job No. 4923
From B.M. 8-45 To B.M. 8-45
Date 12-26-51
Indexed A. S. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
5	5762	23244✓	210	1585✓		4384	15446✓	213	1566✓	
	6552		209			4171		213		
	6345		419✓			3958		426✓		
	19657✓	6552✓		2004✓		12513✓	4171✓		1992✓	
6	6060		209			4366		219		
	5851		208			4147		217		
	5643		417✓			3930		436✓		
	17554✓	5851✓		2421✓		12443✓	4148✓		2428✓	
7	6546		214			6125		211		
	6332		214			5914		211		
	6118		428✓			5703		422✓		
	18996✓	6332✓		2849✓		17742✓	5914✓		2850✓	
F.B. 1209 PG. 206 8	5800		213			4323		211		
	5587		213			4112		211		
	5374		426✓			3901		422✓		
	16761✓	5587✓		3275✓		12336✓	4112✓		3272✓	
9	5457		197			4210		195		
	5260		197			4073		195		
	5063		394✓			3878		390✓		
	15780✓	5260✓		3669✓		12221✓	4074✓		3662✓	
	52826✓					37865✓				

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Clear Inst. No. 50010
Notes by E. Landa Time 11:30 to 11:55 Rod No. 7 & 8

Name L.A.Co. Precise Level N
Job No. 4923
From B.M. 8-43 To B.M. 8-45
Date 12-26-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
10	5958 5763 5569 17290	52826 5763	195 194 389	3669 4058	67°	5316 5118 4918 15352	37865 5117	198 200 398	3664 4062	
										B.M. 8-45 See F.B. 1209-37 for description
										Total Backsights ±55589 Total Foresights ±42982 diff. in Elev +15607
										Summation of [illegible] B.M. 8-43 To B.M. 8-45
		58589					42982			

F.B. 1209 PG. 207

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1207 PG. 208

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. Naumann Weather Clear Inst. No. 50010
Notes by E. Landa Time 1:55 to 2:50 Rod No. 7 & 8

Name A.Co. Precise [illegible]
Job No. 4923
From B.M. 8-45 To B.M. 8-43
Date 12-26-5[illegible]
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5284 5085 4888 15257	5086	199 197 396	396	#7 67°	5927 5732 5538 17197	5732	195 194 389	389	B.M. 8-45 See F.B. 1209-37 for description
2	4280 4087 3893 12260	4087	193 194 387	783		5473 5275 5077 15825	5275	198 198 396	785	⊼ H.F. Naumann
3	4318 4104 3892 12314	4105	214 212 426	1209		5797 5582 5368 16747	5582	215 214 429	1214	
4	6127 5915 5704 17746	5915	212 211 423	1632		6544 6332 6120 18996	6332	212 212 424	1638	
5	4327 4112 3899 12338	4113	215 213 428	2060		6030 5817 5604 17451	5817	213 213 426	2064	
		23306					28738			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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

Chief of Party H.F. Naumann Weather Clear Inst. No. 50010
Notes by E. Lando Time 1:35 to 2:00 Rod No. 258

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 8-45 To B.M. 8-43
Date 12-26-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	4397 4186 3975	23.306	211 211 422	2062		6708 6561 6355	23.23	211 212 423	2064	
	12558	4186		2472		19700	6567		2487	
7	4419 4208 3997		211 211 422			7512 7299 7088		213 211 422		
	12624	4208		2064		21899	7300		2911	
8	4997 4759 4523		238 236 474			7693 7458 7224		235 234 467		
	14279	4760		3378		22375	7459		3378	
9	5248 5069 4893		179 176 355			2509 2336 2160		173 176 349		
	15210	5070		3733	65°	7005	2335		3727	
F.B. 1209 pg. 210										B.M. 8-44 (U.S. 2763) See F.B. 1209-36 for description
	41530					51399				

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. Naumann Weather Clear Inst. No. 50010
Notes by E. Landa Time 1:55 to 2:50 Rod No. 7 & 8

Name L.A.C. Precise Level Int
Job No. 4923
From B.M. 8-45 To B.M. 8-45
Date 12-26-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
10	1627	41530 ✓	166	37~~2~~3 ✓		6361	52399 ✓	163	37~~12~~ 27 ✓	B.M. 8-43 (U.S.S.G. 1) 93 (C. 3)
	1461		166			6198		165		See F.B. 1209-3
	1295		332 ✓			6033		328 ✓	55	for description
	4383 ✓	1461 ✓		40~~6~~5 ✓	65°	18592 ✓	6197 ✓		40~~[illegible]~~ ✓	
										Total Backsights = +42991 ✓
										Total Foresights = +58596 ✓
										diff in Elev. = +15605 ✓
		42991 ✓					58596 ✓			

F.B. 1209 PG. 2 11

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 212										

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:15 AM Rod No. 7 & 8

Name L.A. Co. Dreier Le[illegible]
Job No. 492[illegible]
From BM 8-45 To BM 8-47
Date 12-27-51
Indexed A. S. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7880		210		#7	4193		211		
	7670		209			3982		213		BM 8-45
	7461		419			3769		424		SEE FB 1209-37
1.	23011	7.670		419	57B	11944	3.981		424	FOR DESCRIPTION
	6520		212			5692		213		
	6308		209			5479		212		A G.E. DREIER
	6091		421			5267		425		
2	18927	6.309		.840		16438	5.479		.849	
	6967		213			5022		213		
	6754		211			4809		212		
	6543		424			4597		425		
3	20264	6.755		1.264		14428	4.809		1.274	
	6472		213			4123		211		
	6259		214			3912		210		
	6045		427			3702		421		
4.	18776	6.259		1.691		11737	3.912		1.695	
	7113		211			3127		215		
	6922		212			2912		212		
	6690		423			2700		427		
5.	20705	6.902		2.114		8739	2.913		2.122	
		33.895					21.094			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NO.
Job No. 4925
From BM 8-45 To BM 8-47
Date 12-27-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6449	33.895	213	2114		3945	21.094	213	2122	
	6236		213			3732		214		
	6023		426			3520		427		
6	18708	6.236		2540		11197	3.732		2549	
	6433		213			4253		211		
	6220		211			4042		211		
	6009		424			3831		422		
7	18662	6.221		2964		12126	4.042		2.977	
	5460		209			4482		213		
	5251		210			4269		209		
	5041		419			4060		422		
8	15752	5.251		3383		12811	4.270		3.393	
	5611		242			6056		243		
	5369		241			5813		241		
	5128		483			5572		484		
9	16108	5.369		3866		17441	5.814		3.877	
										BM 8-46 SEE F.B. 1209-38 FOR DESCRIPTION
		56.972					38.152			

F.B. 1209 PG. 214

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHIMODA Time 9:15-10:15AM Rod No. 7 & 8

Name L.A. Co. Precise Lev. Net
Job No. 4923
From BM 8-45 To BM 8-47
Date 12-27-51
Indexed B. C. Jones

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6643 / 6431 / 6219	5567	212 / 212 / 424	3866		4329 / 4116 / 3904	4222	213 / 212 / 425	3877	
10	19293	6431		4290		12349	4116		4302	
	6187 / 5973 / 5760		214 / 211 / 425			4667 / 4452 / 4241		215 / 212 / 427		
11	17921	5974		4715		13359	4453		4729	
	5137 / 4924 / 4713		213 / 211 / 424			6601 / 6391 / 6182		210 / 209 / 419		SUMMATION OF [illegible] BM 8-45 TO B[illegible] 47
12	14774	4925		5139		19174	6391		5148	
	4256 / 4102 / 3949		154 / 153 / 307	=		5183 / 5032 / 4883		151 / 149 / 300		TOTAL BACKSIGHTS [illegible]
13	12307	4102		5446		15098	5033		5448	" FORESIGHTS [illegible] 15098 ✓ DIFF IN ELEVATION ✓ 2.884 ✓
	5110 / 4939 / 4767		172 / 171 / 343			5688 / 5512 / 5337		176 / 174 / 350		BM 8-47 (CLEARWATER [illegible]) SEE F.B. 120/37 FOR DESCRIPTION
14	14815	4938		5789	62°	16537	5513		5798	
		23342					64458			

F.B. 12 PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 216										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINOBA Time 10:15 - 11:15 AM Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 8-47 To BM 8-48
Date 12-27-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5614		176		#1	5035		172		
	5438		176			4863		171		BM 8-47 (CLEAR WATER [illegible]
	5262		352			4692		343		SEE F.B. [illegible]
1	16314	5.438		352	62°	14590	4.863		343	FOR DESCRIPTION
	5252		152			4321		152		
	5100		152			4169		152		⊼ G.E. DRAIN
	4948		304			4017		304		
2	15300	5.100		656		12507	4.169		647	
	6602		211			5138		212		
	6391		211			4926		214		
	6180		422			4712		426		
3	19173	6.391		1078		14776	4.925		1073	
	4662		212			6184		212		
	4450		212			5972		212		
	4238		424			5760		424		
4	13350	4450		1502		17916	5.972		1477	
	4312		212			6628		212		
	4100		212			6416		213		
	3888		424			6203		425		
5	12300	4.100		1926		19247	6.416		1922	
		25.479					26.345			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:15-11:15 AM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 8-47 To BM 8-75
Date 12-27-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		25479		1926			26345		1922	B.M. 8-46 SEE F.B. 1209-38 FOR DESCRIPTION
	6017		243			5572		241		
	5776		243			5331		240		
	5533		486			5091		481		
6	17328	5776		2412		15994	5331		2403	
	4548		210			5529		212		
	4338		210			5317		214		
	4128		420			5103		426		
7	13014	4338		2832		15949	5316		2829	
	4724		212			6903		212		
	4512		212			6691		213		
	4300		424			6478		425		
8	13536	4512		3256		20072	6691		3254	
	3908		213			6409		211		
	3695		212			6198		210		
	3483		425			5988		421		
9	11086	3695		3681		18595	6198		3675	
		43800					49881			

F.B. 1209 PG. 218

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10-15-11:15AM Rod No. 7 5 8

Name L.A. Co. Precise Level Net
Job No. 49-3
From BM 8-47 To BM 8-45
Date 12-27-51
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5113	4.255	213	3681		7100	4.211	2113,675		
	2900		212			6889		210		
	2688		425			6679		421		
10	1.701	2.900		4.106		20668	6.889		4.096	
	4082		213			6427		212		
	3870		213			6215		211		
	3657		426			6004		423		
11	11.610	3.870		4.532		18646	6.215		4.519	
	4961		211			6900		214		
	4750		210			6686		214		SUMMATION OF LINE
	4540		421			6472		428		BM 8-47 TO BM 8-45
12	14.251	4.75		4.953		20088	6.696		4.947	
	5670		211			6502		214		TOTAL BACKSIGHTS 25.861
	5459		210			6288		216		" FORESIGHTS - 25.674
	5249		421			6072		450		DIFF IN ELEVATION - 0.187
13	16.378	5.459		5.374		18862	6.287		5.377	
	4028		212			7916		210		
	4016		213			7706		210		BM 8-45
	3803		425			7496		420		SEE F.B. 1203-3
14	12.047	4.016		5.799	67°	23118	7.706		5.797	FOR DESCRIPTION
		64.795					73.674			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1209 PG. 220

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO 2:15 Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-47 To B.M. 8-48
Date 12-27-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.213		211		#7	5.540		212		
	5.002		210			5.328		210		B.M. 8-47 (CLEARWATER 8-15)
	4.792		421			5.118		422		SEE F.B. 1209-37
1	15.007	5.002		.421	70°	15.986	5.329		.422	FOR DESCRIPTION
	4.448		216			5.255		215		
	4.232		212			5.040		215		TT E. LANDA
	4.020		428			4.825		430		
2	12.700	4.233		.849		15.120	5.040		.852	
	4.455		213			5.129		214		
	4.242		210			4.915		215		
	4.032		423			4.700		429		
3	12.729	4.243		1.272		14.744	4.915		1.281	
	4.368		215			5.450		215		
	4.453		213			5.235		213		
	4.240		428			5.022		428		
4	13.361	4.454		1.700		15.707	5.236		1.709	STOPPED 1 HOUR 12:[illegible]
	5.808		213			3.378		216		
	5.595		210			3.162		214		
	5.385		423			2.948		430		
5	16.788	5.596		2.123		9.488	3.163		2.139	
		23.528					23.683			

F.B. ..... PG. .....

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAHMANN Weather HAZY & OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 11:30 To 2:[illegible] Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-47 To B.M. 8-48
Date 12-27-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6650	23528	218	2123		3995	23683	211	2139	
	6432		217			3784		210		
	6215		435			3574		421		
6	19297	6432		2558		11353	3784		2560	
	7932		214			2685		215		
	7718		213			2470		212		
	7505		427			2258		427		
7	23155	7718		2985		7413	2471		2987	
	7378		213			2452		214		
	7165		212			2238		216		
	6953		425			2022		430		
8	21496	7165		3410		6712	2237		3417	
	7368		211			2912		214		
	7157		214			2698		213		
	6943		425			2485		427		
9	21468	7156		3835		8095	2698		3844	
	6855		213			4472		212		
	6642		212			4260		215		
	6430		425			4045		427		
10	19927	6642		4260		12777	4259		4271	
		5864					3[illegible]2			

F.B. 1209 PG. 222

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.E. NAUMANN Weather SUNSHINE Inst. No. 50010
Notes by G.E. DREIER Time 11:30 to 2:15 Rod No. 788

Name L.A. Co. Precise Lev. Net
Job No. 11923
From B.M. 8-47 To B.M. 8-48
Date 12-27-51
Indexed B. C. Jones

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.400	58.64	212	4.260		3.982	3.793	214	4.271	
	6.188		213			3.768		213		
	5.975		425			3.555		427		
11	18.563	6.188		4.685		11.305	3.768		4.698	
	5.632		171			5.158		169		
	5.461		169			4.989		167		B.M. 8-48 (CLEAR WAT[illegible]
	5.292		340			4.822		336		SEE F.B. 1209-41
12	16.385	5.462		5.025	67°	14.969	4.990		5.034	FOR DESCRIPTION
										SUMMATION OF R[illegible] IN B.M. 8-47 TO B.M. [illegible]-48
										TOTAL BACKSIGHTS [illegible] 70.291
										TOTAL FORESIGHTS [illegible] 47.890
										DIFF. IN ELEVATION [illegible] 22.401
		70.291					47.890			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 224										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 2:15 TO 3:10 Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-48 To B.M. 8-47
Date 12-27-51
Indexed A. C. JOHNSON

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.201		169		#7	5.635		171		
	5.032		167			5.504		169		B.M. 8-48 (CLEAR WOOD E-9)
	4.865		336			5.335		340		SEE F.B. 1209-41
1	5.094	5.033		336	67°	16.514	5.505		340	FOR DESCRIPTION
	3.951		213			6.446		211		
	3.738		213			6.235		210		π E. LANDA
	3.525		426			6.025		421		
2	7.214	3.738		762		18.706	6.235		761	
	4.583		215			6.887		214		
	4.370		216			6.673		211		
	4.156		431			6.462		425		
3	13.111	4.370		1191		20.022	6.674		1186	
	2.922		212			7.382		212		
	2.710		212			7.170		211		
	2.498		424			6.959		423		
4	8.130	2.710		1615		21.511	7.170		1609	
	2.495		215			7.417		211		
	2.280		215			7.208		209		
	2.065		430			6.999		420		
5	6.840	2.280		2045		21.626	7.209		2029	
		18.131					32.793			

F.B. 1209 PG. 41

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.F. DREIER Time 2:15 TO 3:10 Rod No. 78-8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-48 To B.M. 8-47
Date 12-27-51
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.221	18.131	211	2.045		8.472	32.793	214	2.029	
	3.010		211			8.258		216		
	2.799		422			8.042		430		
6	9.030	3.010		2.467		24.772	8.257		2.459	
	3.663		211			6.312		214		
	3.452		211			6.098		216		
	3.241		422			5.882		430		
7	10.356	3.452		2.889		18.292	6.097		2.889	
	3.457		217			5.888		213		
	3.242		214			5.675		212		
	3.028		431			5.463		425		
8	9.729	3.243		3.320		17.026	5.675		3.314	
	5.458		216			4.672		214		
	5.242		213			4.458		213		
	5.029		429			4.245		427		
9	15.729	5.243		3.742		13.375	4.458		3.741	
	5.161		213			4.489		211		
	4.948		216			4.278		212		
	4.732		429			4.066		423		
10	14.841	4.947		4.178		12.833	4.278		4.164	
		38.026					61.558			

F.B. 1209 PG. 226

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 2:15 TO 3:10 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-48 To B.M. 8-47
Date 12-27-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.333	38.026 ✓	213	4.178 ✓		4.526	61.558 ✓	213	4.164 ✓	
	5.120		215			4.313		213		
	4.905		428 ✓			4.100		426 ✓		
11	15.358 ✓	5.119 ✓		4.606 ✓		12.939 ✓	4.313 ✓		4.590 ✓	
	5.335		213			5.018		214		
	5.125		213			4.804		211		B.M. 8-47 (CLEARWATER B-10)
	4.912		426 ✓			4.593		425 ✓		SEE F.B. 1209-40
12	15.375 ✓	5.125 ✓		5.032 ✓	65°	14.415 ✓	4.805 ✓		5.015 ✓	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 8-48 TO B.M. 8-47
										TOTAL BACKSIGHTS + 48.270 ✓
										TOTAL FORESIGHTS - 70.676 ✓
										DIFF IN ELEVATION - 22.406 ✓
		48.270 ✓					70.676 ✓			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 228										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Over Cast Inst. No. 50010
Notes by E. Landa Time 11:10 to 11:40 Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 8-48 To B.M. 8-49
Date 12-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.093 3.897 3.699 11.689	3.896	196 198 394	.394	#7 60°	5946 5718 5492 17156	5.719	228 226 454	.454	B.M. 8-48 CLEARWATER E-9 SEE F.B. 1209-46 FOR DESCRIPTION
2	4.093 3.867 3.639 11.599	3.866	226 228 454	.848		6917 6718 6520 20155	6.718	199 198 397	.851	⊼ L. E. Dreier
3	5.021 4.808 4.595 14.424	4.808	213 213 426	1.274		6288 6076 5863 18227	6.076	212 213 425	1.276	
4	5.963 5.751 5.540 17.254	5.751	212 211 423	1.697		5242 5027 4812 15081	5.027	215 215 430	1.706	
5	5.812 5.600 5.388 16.800	5.600	212 212 424	2.121		5317 5102 4889 15308	5.103	215 213 428	2.134	
		23.921					28.643			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Overcast Inst. No. 50010
Notes by E. Landa Time 11:10 - [illegible] Rod No. 7&8

Name L.A. Co. Precise Level Net
Job No. 11923
From B.M. 8-48 To B.M. 8-[illegible]
Date 12-28-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	6.050 5.838 5.627 17515	23.[illegible] 5838	212 211 423	2121 2544		5.361 5.147 4.932 15440	[illegible] 5147	214 215 429	2134 2563	
7	5.983 4.787 4.590 14360	4787	196 197 393	2931		6.299 6.109 5.919 18327	[illegible] [illegible]	190 190 380	2943	
8	4.873 4.675 [illegible] 14025	4.675	198 198 396	3333	61°	7.437 7.242 [illegible] 21726	7242	195 195 390	3333	B.M. 8-49 (CLEARWATER B-5[illegible]) SEE F.B. 1209-41 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 8-48 TO B.M. 8-49
										TOTAL BACKSIGHTS 39.221 TOTAL FORESIGHTS 47.141 DIFF IN ELEVATION - 7.920
		39.221					47.141			

F.B. 1209 PG. 230

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Overcast Inst. No. 50010
Notes by E. Langa Time 11:40 to 1:30 Rod No. 7 & 8

Name L.A.Co. Precise L. [illegible]
Job No. 4923
From B.M. 8-49 To B.M. 7-48
Date 12-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	[illegible]		195		#7	4.822		199		B.M. 8-49 (CLEARWATER B-8A)
	[illegible]		197			4.623		196		SEE F.B. 1209-41
	[illegible]		392			4.427		395		FOR DESCRIPTION
	21.577	7.192		392	61°	13.872	4.624		395	
2	6.339		194			5.016		195		⊼ Cr. E. Dreier
	6.145		194			4.821		193		
	5.951		388			4.628		388		
	18.435	6.145		780		14.465	4.822		783	
3	5.366		214			6.058		213		
	5.152		213			5.845		213		
	4.939		427			5.632		426		
	15.457	5.152		1.207		17.535	5.845		1.209	
4	5.385		214			5.879		211		
	5.171		212			5.668		211		
	4.959		426			5.457		422		
	15.515	5.172		1.633		17.004	5.668		1.631	
5	5.217		215			5.942		211		
	5.002		213			5.731		211		
	4.789		428			5.520		422		
	15.008	5.003		2.061		17.193	5.731		2.053	
		28.664					26.690			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. Naumann Weather Overcast Inst. No. 50010
Notes by E. Landa Time 11:40 to 1:30 Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 8-49 To B.M. 8-48
Date 12-28-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	6,249 6,036 5,825 18,110	28,664 6,037	213 211 424	2,061 2,485		4,980 4,767 4,554 14,301	26,690 4,767	213 213 426	2,053 2,479	
7	7,053 6,842 6,631 20,526	6,842	211 211 422	2,907		4,206 3,992 3,779 11,977	[illegible]	214 213 427	2,906	
8	6,046 5,831 5,618 17,495	5,832	215 213 428	3,335	24°	4,215 4,003 3,794 12,012	4,004	212 209 421	3,327	B.M. 8-48 (Clearwater B-9) See F.B. 1209-40 for description
										Summation of Run B.M. 8-49 to B.M. 8-48
										Total Backsights = +47.375 Total Foresights = -39.453 Diff. in Elev. = +7.922
		47.375					39.453			

F.B. 1209 PG. 232

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 2:00-3:15 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-49 To B.M. 8-52
Date 12-28-51
Indexed A. C. Job [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3.675		244		#7	6.458		244		
	3.431		246			6.214		242		B.M. 8-49 (CLEARWATER B-8A)
	3.185		490			5.972		486		SEE F.B. 1209-41
1	10.291	3.430		490	63°	18.644	6.215		486	FOR DESCRIPTION
	4.458		234			6.528		229		
	4.224		232			6.299		227		E. LAMOA
	3.992		466			6.072		456		
2	12.674	4.225		956		18.899	6.300		942	
										B.M. 8-50 (U.S. 4563) ([illegible])
										SEE F.B. 1209-42
		7.655					12.515			FOR DESCRIPTION
	4.165		234			6.852		234		
	3.931		231			6.618		234		
	3.700		465			6.384		468		
3	11.796	3.932		1.421		19.854	6.618		1.410	
	4.765		213			7.480		210		
	4.552		212			7.270		208		
	4.340		425			7.062		418		
4	13.657	4.552		1.846		21.812	7.271		1.828	
		16.139					26.404			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.E. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 2:00-3:15 PM Rod No. 788

Name L.A. Co. PRECISE LEVELING
Job No. 4923
From B.M. 8-49 To B.M. 8-52
Date 12-28-51
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		16.139		1.845			26.404		1.828	B.M. 8-51 (CLEARWATER B.S.) SEE F.B. 1207-43 FOR DESCRIPTION
	4.940		.088			6.815		.093		
	4.852		.087			6.722		.091		
	4.765		.175			6.631		.184		
5	14.557	4.852		2.021		20.168	6.723		2.012	
	1.798		.215			9.658		.215		
	1.583		.213			9.443		.212		
	1.370		.428			9.230		.428		
6	4.751	1.584		2.449		28.331	9.444		2.440	
F.B. 1209 PG. 234	0.735		.207			11.452		.216		
	0.528		.208			11.236		.216		
	0.320		.415			11.020		.432		
7	1.583	0.528		2.864		33.708	11.236		2.872	
	1.695		.147			9.326		.146		
	1.548		.147			9.180		.145		
	1.401		.294			9.035		.291		
8	4.644	1.548		3.158		27.541	9.180		3.163	
		24.651					62.787			

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.E. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by C.E. DREIER Time 2:00 TO 3:15 Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8.49 To B.M. -8-52
Date 12-28-
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	0.599	24.651	200	3158		11899	62.987	191	3.163	
	0.399		199			11.708		193		
	0200		399			11.515		384		
9	1.198	0.399		3.557		35.122	11.707		3.547	
	0.780		149			9.792		149		
	0.631		147			9.643		147		
	0.484		296			9.496		296		
10	1.895	0.632		3.853		28.931	9.644		3.843	
	3.888		079			6.479		085		
	3.809		078			6.394		084		
	3.731		157			6.310		169		
11	11.428	3.809		4.010		19.183	6.394		4.012	
	4.855		215			5.861		211		
	4.640		212			5.650		211		
	4.428		427			5.439		422		
12	13.923	4.641		4.437		16.950	5.650		4.434	
	5.298		214			4.872		214		
	5.084		212			4.658		212		
	4.872		426			4.446		426		
13	15.254	5.085		4.863		13.976	4.659		4.860	
		39.217					101.041			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 2:00 - 3:[illegible] Rod No. 78

Name L.A.Co PRECISE LEVEL NET
Job No. 4923
From B.M. 8-49 To B.M. 8-52
Date 12-28-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.884	39.217 ✓	214	4.863 ✓		5.372	[illegible] ✓	212	4.860 ✓	
	4.670		211			5.160		212		
	4.459		425 ✓			4.948		424 ✓		B.M. 8-52 (CLEARWATER [illegible])
14	4.013 ✓	4.671 ✓		5.288	60°	5.480 ✓	[illegible] ✓		5.284 ✓	SEE F.B. 1209-44 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 8-49 TO B.M. 8-52
										TOTAL BACKSIGHTS + 43.88[illegible] ✓
										TOTAL FORESIGHTS - 106.20 ✓
										DIFF IN ELEVATION - 62.31 ✓
	43.888 ✓					1[illegible].201 ✓				

F.B. 1209 PG. 236

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by C.E. DREIER Time 9:10 - 10:40 A.M. Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-52 To B.M. 8-45
Date 1-2-52
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5408		213			4.922		214		
	5.195		213			4.708		213		B.M. 8-52 (CLEARWATER A-7)
	4982		426			4495		427		SEE F.B. 1202-44
1	15585	5.195		426	44°	14125	4.708		427	FOR DESCRIPTION
	4.845		213			5.271		212		
	4.632		214			5.059		211		
	4.418		427			4848		423		
2	13.895	4.632		853		15178	5.059		850	
	5.755		213			4.744		214		
	5542		212			4.530		212		
	5.330		425			4.318		426		
3	16627	5.542		1278		13592	4.531		1276	
	6451		086			3.858		077		
	6.365		085			3.781		075		
	6280		171			3.706		152		
4	19096	6.365		1449		11345	3.782		1428	
	9858		147			0845		150		
	9711		145			0.695		150		
	9566		292			0545		300		
5	29135	9.712		1741		2085	0.695		1728	
		31.446					18.775			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:15 - 10:45 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-52 To B.M. 8-48
Date 1-2-52
Indexed A. C. THOMPSON

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	12.003	31.406	211	1.741		0.669	0.725	181	1.728	
	11.792		210			0.488		180		
	11.582		421			0.308		361		
6	35.377	11.792		2.162		1.465	0.488		2.089	
	9.131		139			1.510		155		
	8.992		136			1.355		155		
	8.856		275			1.200		310		
7	26.979	8.993		2.437		4.065	1.355		2.399	
	11.370		212			0.662		212		
	11.158		213			0.452		212		
	10.945		425			0.240		422		
8	33.473	11.158		2.862		1.354	0.451		2.821	
	9.592		205			1.745		221		
	9.387		207			1.524		219		
	9.180		412			1.305		440		
9	28.159	9.386		3.274		4.574	1.525		3.261	
	6.891		083			5.035		093		
	6.808		082			4.942		092		
	6.726		165			4.850		185		
10	20.425	6.808		3.439		14.827	4.942		3.446	
		79.583					27.536			

F.B. 209 PG. 238

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9:15-10:40 A.M. Rod No. 7 & 8

Name LA Co. PRECISE LE[illegible]
Job No. 4923
From B.M. 8-52 To B.M. 8-49
Date 1-2-52
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		79,583		3.439			27.536		3446	B.M. 8-51 (CLEARWATER B.8) SEE F.B. 1209-45 FOR DESCRIPTION
	7408		206			4,698		216		
	7202		204			4,482		214		
	6998		410			4.268		430		
11	21,608	7.203		3.849		13.448	4.483		3.876	
	6288		233			4,105		235		
	6555		233			3.870		235		
	6322		466			3,635		470		
12	19665	6555		4315		11,610	3.870		4346	
		93.341					35.889			B.M. 8-50 (US 4563 A750) SEE F.B. 1209-4 FOR DESCRIPTION
	6535		237			4.403		225		
	6295		236			4.178		226		
	6062		473			3952		451		
13	18895	6.298		4788		12533	4.178		4797	
		99.639					40067			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:15 - 10:[illegible] A.M. Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-52 To B.M. 8-[illegible]
Date 1-2-52
Indexed [illegible] C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.130	99.637	245	4.788		4.389	40.067	241	4.797	
	6.885		243			4.148		240		B.M. 8-49 (CLEARWATER P-8A)
	6.642		488			3.908		481		SEE F.B. 1209-41
14	20.657	6.886		5.276	53°	12.445	4.148		5.278	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 8-52 TO B.M. 8-49
										TOTAL BACKSIGHTS + 106.525
										TOTAL FORESIGHTS - 44.215
										DIFF. IN ELEVATION + 62.31[illegible]
		106.525					44.215			

F.B. 1209 PG. 240

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-12:00AM Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 8-52 To BM 8-54
Date 1-2-52
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5172		057		#7	1406		059		
	5115		057			1347		059		B.M. 8-52 (CLEARWATER A-7)
	5058		114			1288		118		SEE F.B. 1209-44
1	15345	5.115		.114	53°	4041	1347		118	FOR DESCRIPTION
										⊼ G.E. DREIER
										B.M. 8-53 (U.S. 4562) (7779)
										SEE F.B. 1209-44
										FOR DESCRIPTION
	1362		025			0282		026		
	1337		026			0256		025		
	1311		051			0231		051		
2	4010	1.337		.165		0769	0.256		.169	
	11580		147			0863		145		
	11433		145			0718		146		
	11288		292			0572		291		
3	34301	11434		457		2153	0.718		460	
	8412		211			4480		210		
	8201		209			4270		210		
	7992		420			4060		420		
4	24605	8.202		877		12810	4270		880	
		26.088					6.591			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-12:[illegible] Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 8-52 To BM 8-53
Date 1-2-52
Indexed A. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3902	26.088	215	877		4319	6.591	213	880	
	3687		215			4106		212		
	3472		430			3894		425		
5	11061	3.687		1307		12319	4.106		1305	
	3800		213			4292		214		
	3587		215			4078		210		
	3372		428			3868		424		
6	10759	3.586		1735		12238	4.079		1729	
	3422		209			3481		216		
	3213		206			3265		215		
	3007		415			3050		431		
7	9642	3.214		2150		9796	3.265		2160	
	3063		213			3809		211		
	2850		213			3597		211		
	2637		426			3387		422		
8	8550	2.850		2576		10794	3.598		2582	
	4118		217			4491		216		
	3901		214			4275		215		
	3687		431			4060		431		
9	11706	3.902		3007		12826	4.275		3013	
		43.327					25.914			

F.B. 1209 PG. 242

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 59010
Notes by S. SHINODA Time 11:00 - 12:00 AM Rod No. 7 & 8

Name LA Co PRECISE L[illegible]
Job No. 4925
From BM 8-52 To BM 8-54
Date 1-2-52
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4196	3.327	215	3.007		4407	2594	210	3.013	
	3981		214			4197		210		
	3767		429			3987		420		
10	11944	2.181		3.436		12591	4.197		3.433	
	4013		214			4737		215		
	3799		213			4522		213		SUMMATION OF R[illegible]
	-586		427			4309		428		BM 8-52 TO BM 8-54
11	11398	3.799		3.863		13568	4.523		3.861	
	3322		183			4334		182		TOTAL BACKSIGHTS = 56.906
	3139		180			4152		182		" FORESIGHTS = 42.457
	2959		363			3970		364		DIFF. IN ELEVATION = +14.449
12	9420	3.140		4.226		12456	4.152		4.225	
	1843		184			3851		180		BM 8-54 (F.C. BM [illegible])
	2659		185			3671		181		SEE F.B. 1207:45
	2474		369			3490		361		FOR DESCRIPTION
13	7976	2.659		4.595	.562	11012	3.671		4.586	
		56.906					42.457			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed.....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	

F.B. 1207 PG. 244

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 12:00-2:05 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NE
Job No. 4923
From BM 8-54 To BM 8-52
Date 1-2-52
Indexed S. Jackson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3778		180		#7	2768		186		
	3598		181			2582		184		BM 8-54
	3417		361			2398		370		SEE F.B 1209
1	10793	3.598		361	56°	7748	2.583		370	
	4291		181			3281		180		
	4110		181			3101		181		
	3929		362			2920		361		
2	12330	4.110		723		9302	3.101		731	
	4738		215			4012		213		
	4523		212			3799		214		
	4311		427			3585		427		
3	13572	4.524		1.150		11396	3.799		1.158	
	4527		209			4318		215		
	4318		211			4103		215		
	4107		420			3888		430		
4	12952	4.317		1.570		12309	4.103		1.588	
	4467		215			4089		216		
	4252		214			3873		214		1 HOUR FOR LUNCH
	4038		429			3659		430		
5	12757	4.252		1.999	56°	11621	3.874		2.018	
		23.801					17.460			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 12:00-2:00 Rod No. 7 & 8

Name LA COVERISE LEVEL NET
Job No. 4923
From BM 8-54 To BM [illegible]
Date 1-2-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3849	20.801	214	1999		3106	17.460	214	2018	
	3635		213			2892		212		
	3422		427			2680		426		
6	10906	3635		2426	60°	8678	2893		2444	
	3371		214			3312		209		
	3157		215			3103		211		
	2942		429			2892		420		
7	9470	3.157		2855		9307	3.102		2864	
	4325		216			3829		210		
	4109		217			3619		211		
	3892		435			3408		421		
8	12326	4109		3.288		10856	3.619		3285	
	4306		214			3887		215		
	4092		212			3672		214		
	3880		426			3458		429		
9	12278	4093		3714		11017	3.672		3.714	
	4431		210			8368		210		
	4221		211			8158		210		
	4010		421			7948		420		
10	12662	4.221		4135		24474	8.158		4134	
		40.016					38.904			

F.B. 1209 PG. 246

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 12:00-2:05 PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4723
From BM 8-54 To BM 8-52
Date 1-2-52
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	0883	40.010	144	4135		11597	38.904	147	4134	
	0739		146			11450		146		SUMMATION OF [illegible]
	0593		290			11304		293		BM 8-54 TO BM 8-52
11	2215	0.738		4425		34351	11.450		4427	
	0262		026			1342		025		TOTAL BACKSIGHTS = 40.[illegible]
	0236		025			1317		026		" FORESIGHTS = 56.756
	0211		051			1291		051		DIFF IN ELEVATION = 14.448
12	0709	0.236		4476		3950	1317		4478	
		40.990					51.671			
										BM 8-52 3
										SEE F.B. 12-9
										FOR DESCRIPTION
	1375		057			5142		057		
	1318		057			5085		057		BM 8-52
	1261		114			5027		115		SEE F.B. 12-[illegible]
13	3954	1.318		4590	58°	15254	5.085		4593	FOR DESCRIPTION
		42.308					56.756			

F.B. [illegible] PG. 247

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. ..... PG. 242										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINDER Time 10:35-10:45 Rod No. 7 & 8

Name L.A. CO. PRELIMINARY LEVEL NET
Job No. 4923
From BM 8-54 To BM 8-55
Date 1-3-52
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4247 4088 4529		159 159 317			6309 6142 5977		167 165 332		BM 8-54 (PG 2 [illegible]) SEE F.B. 1209-43 FOR DESCRIPTION
	4564	4.688		318	54	18428	6.143		332	
	4657 4458 4195		201 200 401			6543 6342 6201		155 141 296		TO G.E. DOBE
	8595	4.458		719		12542	6.347		724	
	4913 4701 4395		212 213 425			6717 6505 6293		212 212 424		BM 8-55 SEE F.B. 1209-43 FOR DESCRIPTION
3	13325	4.441		1144	56	19515	6.505		1148	
										SUMMATION OF [illegible] BM 8-54 TO [illegible]
										TOTAL BM SIGHTS [illegible] 5564 " FORESIGHTS [illegible] 18995 DIFF IN ELEV [illegible] -5431
		18.564					18.995			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 2009 PG. 250										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. [illegible] Weather CLEAR Inst. No. [illegible]
Notes by S. [illegible] Time 10:25 Rod No. 7 & 8

Name [illegible]
Job No. [illegible]
From B.M. 8-55 To B.M. 8-54
Date 1-3-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	[illegible]688 6476 6264 19428	6.476	212 212 424	424	51°	4599 4385 4172 13156	4.385	214 213 427	427	B.M. 8-55 ([illegible]) SEE F.B. [illegible] FOR DESCRIPTION
2	6580 6382 6185 19147	6.382	198 197 395	.819		4693 4496 4298 13487	4.496	197 198 395	.822	⊼ G.E. DRAIN
3	[illegible] [illegible] [illegible] 18594	6.198	169 169 338	1.157	54°	4897 4740 4586 14223	4.741	157 154 311	1.133	B.M. 8-54 (F.C.B.M. [illegible]) SEE F.B. [illegible] FOR DESCRIPTION
										SUMMARY [illegible] B.M. 8-55 TO B.M. 8-54
										TOTAL BACKSIGHTS + 19.056 " FORESIGHTS − 13.622 DIFF. IN ELEVATION 5.434
		19.056					13.622			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 252										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 500.10
Notes by S. SHINODA Time 2:25-3:10 P.M. Rod No. 7 & 8

Name LA Co. Road Level
Job No. [illegible]
From BM 1-55 To BM [illegible]
Date 1-2-52
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2491		240		#7	5647		248		BM 1-55 (LAC F.C.D.)
	2251		237			5399		246		SEE F.B. 1209-45
	2012		479			5153		494		FOR DESCRIPTION
1	6754	2251		479	60°	16199	5400		494	
	3984		185			4977		182		
	3799		188			4795		180		TG.E. Dock
	3611		373			4615		362		
2	11394	3798		852		14387	4796		856	
	4945		192			4607		196		
	4753		190			4408		197		
	4563		382			4211		393		
3	14261	4754		1254		13223	4408		1249	
		10.902					14.604			
										BM 8-56 (LA Co. Road Level)
										SEE F.B. 1209-45
										FOR DESCRIPTION
	4595		206			10919		214		
	4389		206			10705		213		
	4183		412			10492		427		
4.	13167	4389		1646		32116	10705		1676	
		15.192					25309			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 2:25-3[illegible] Rod No. 7 & 8

Name L A Co PRECISE LEVEL NET
Job No. 4723
From BM 2-55 To BM 1-57
Date 1-2-52
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1107	15.192	150	1.646		6819	25309	142	1676	
	0957		150			6677		142		
	0807		300			6535		284		
5	2871	0.957		1.946		20031	6.677		1960	
	5741		214			5976		212		
	5527		215			5764		211		
	5312		429			5553		423		
6	16580	5.527		2.575		17293	5.764		2.383	
	5538		213			5824		212		
	5325		213			5612		210		
	5112		426			5402		422		
7.	15975	5.325		2.801		16838	5.613		2.805	
	5791		211			5856		213		
	5580		211			5643		212		
	5369		422			5431		425		
8.	16740	5.580		3.223		16930	5.643		3.230	
	5761		213			6041		212		
	5548		212			5829		213		
	5336		425			5616		425		
9.	16645	5.548		3.648		17486	5.829		3.655	
		38.129					54.835			

F.B. 1209 PG. 254

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:25-3:10 PM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From BM 8-55 To BM 8-57
Date 1-2-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5469	38.129	219	3648		5637	54.835	219	3.655	
	5250		219			5418		219		
	5031		438			5199		438		
10	15750	5.250		4086		16254	5.418		4093	
	5697		222			6600		225		
	5475		222			6375		223		BM 1-57
	5253		444			6152		448		SEE F.B. 1201-47
11.	16425	5.475		4530		19127	6376		4541	FOR DESCRIPTION
										SUMMATION OF R[illegible]
										B.M. 2-55 TO [illegible]-57
										TOTAL BACKSIGHTS + 48.854
										" FORESIGHTS - 66.629
										DIFF. IN ELEVATION - 17.775
		48.854					66.629			

PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 209 PG. 256										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. LAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:10-3:20 PM Rod No. 7 & 8

Name L.A. Co Dept. of Ly. Inst.
Job No. 4923
From BM 8-57 To BM 8-57
Date 1-2-52
Indexed A. C. Jones

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6457		225		#7	5550		220		
	6232		221			5330		220		BM 8-57
	6011		446			5110		440		OFFSET 1209-47
1	18700	6.233		446	55°	15990	5.330		440	FOR DESCRIPTION
	5619		220			5451		219		
	5399		220			5232		221		
	5179		440			5011		440		T G.E. DREIER
2	16197	5.399		886		15694	5.231		880	
	6032		212			5751		212		
	5820		211			5539		214		
	5609		423			5325		426		
3	17461	5.820		1309		16615	5.538		1306	
	5795		213			5733		211		
	5582		211			5522		211		
	5371		424			5311		422		
4	16748	5.583		1733		16566	5.522		1728	
	5759		212			5466		214		
	5547		213			5252		211		
	5334		425			5041		425		
5.	16640	5.547		2158		15759	5.253		2153	
		28.582					26.874			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50070
Notes by S. SHINODA Time 3:10-3:3[illegible] Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 8-57 To BM 8-[illegible]5
Date 1-2-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5829	28.582	213	2158		5591	26.874	212	2153	
	5616		213			5379		211		
	5403		426			5168		423		
6	16848	5.616		2584		16138	5.379		2576	
	6908		147			1181		145		
	6761		147			1036		145		
	6614		294			0891		290		
7	20283	6.761		2878		3108	1.036		2866	
	10832		210			4519		209		
	10622		210			4310		210		STOPPED 3:30 PM 1-2-51
	10412		420			4100		419		
8	31866	10.622		3298	56°	12929	4.310		3285	
		51.581					37.599			BM 8-56 (L.A. Co RD. DEPT. 54) SEE F.B. 1209-46 FOR DESCRIPTION
	4496		195			4842		195		
	4301		192			4647		196		BEGAN 10:15 AM 1-3-52
	4109		387			4451		391		
9	12906	4.302		3685	51°	13940	4.647		3676	
		55.883					42.246			

F.B. 1207 PG. 258

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. E. Neumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 10:15-10:25 AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From B.M. 8-57 To B.M. 8-55
Date 1-3-51
Indexed A. C. [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4967	55.883	186	3.685		3971	42.246	183	3.676	
	4782		183			3788		183		
	4599		369			3605		366		
10	14349	4.783		4054		11364	3.788		4042	
	5677		244			2547		245		B.M. 8-55 (LAC [illegible])
	5453		243			2302		242		SEE F.B. [illegible]
	[illegible]		487			2060		487		FOR DESCRIPTION
11	16360	5.453		4541	51°	6901	2.3[illegible]		4529	
										SUMMATION OF R.W. B.M. 8-57 TO B.M. 8-55
										TOTAL BACKSIGHTS [illegible]
										" FORESIGHTS [illegible]
										DIFF. IN ELEVATIONS 17,782
		66.119					48.337			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed .....

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1209 PG. 260										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:55-9:30 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 8-57 To BM 5-37
Date 1-3-52
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6791		211		#7	5692		213		
	6580		210			5479		213		[illegible]
	6370		421			5266		426		SEE F.B. 1209-47
1	19741	6.580		421	44°	16437	5.479		426	FOR DESCRIPTION
	5262		210			5679		214		
	5052		211			5465		213		⊼ G.E. DREAR
	4841		421			5252		427		
2	15155	5.052		842		16396	5.465		853	
	5331		213			5671		212		
	5118		213			5459		211		
	4905		426			5248		423		
3	15354	5.118		1268		16378	5.459		1276	
	5432		215			6145		209		
	5217		217			5936		210		
	5000		432			5726		419		
4	15649	5.216		1700		17807	5.936		1695	
	5693		211			5392		213		
	5482		210			5179		211		
	5272		421			4968		424		
5	16447	5.482		2121		15539	5.180		2119	
		27.448					27.519			

F.B. 1209 PG. 261

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:55-9:3[illegible] Rod No. 7 & 8

Name L.A. Co. Precise Level [illegible]
Job No. 4923
From BM 8-51 To BM 5-37
Date [illegible]-52
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5754	27.448	212	2121		5847	27.519	214	2119	
	5542		211			5633		212		
	5331		423			5421		426		
6	16627	5.542		2544		16901	[illegible]		2545	
	5542		211			5743		214		
	5331		213			5529		213		
	5118		424			5316		427		
7	15991	5.330		2968		16588	[illegible]		2972	
	5316		214			5665		213		
	5102		211			5452		211		SUMMATION OF RUN
	4891		425			5241		424		BM 8-57 TO BM
8	15309	5.103		3393		16358	[illegible]		3396	
	6069		180			5087		180		TOTAL BACKSIGHTS +55.474
	5889		179			4907		179		" FORESIGHTS -59.946
	5710		359			4728		359		DIFF IN ELEVATION -4.472
9	17668	5.889		3752		14722	[illegible]		3755	
	6327		166			11063		160		BM 5-37 (US. 4097) (R768)
	6161		163			10903		156		SEE F.B. 1206-36
	5998		329			10747		316		FOR DESCRIPTION
10	18486	6.162		4081	47°	32713	[illegible]		4071	
		55.474					[illegible]			

F.B. 1209 PG. 262

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. HAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:30-10.05AM Rod No. 7[illegible]

Name [illegible]
Job No. 4[illegible]
From BM 5-37 To BM 5-37
Date 1-3-52
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	11064		158		#7	6326		164		
	10906		158			6162		164		BM 5-37 (US 4097) [illegible]
	10748		316			5998		328		SEE FB 1206-[illegible]
1.	32718	10906		316	47°	18486	6.162		328	FOR DESCRIPTION
	5128		180			6110		180		
	4948		179			5930		180		⊼ G.E. DRIVER
	[illegible]		359			5750		360		
2	14845	4.948		675		17790	5.930		.688	
	5650		211			5302		212		
	5439		211			5090		211		
	5228		422			4879		423		
3	16317	5.439		1097		15271	5.090		1111	
	5746		219			5534		207		
	5527		217			5327		208		
	5310		436			5119		415		
4.	16583	5.528		1.533		15980	5.327		1.526	
	5877		213			5790		214		
	5664		213			5576		214		
	5451		426			5362		428		
5	16992	5.664		1.959		16728	5.576		1.954	
		32.485					28.085			

F.B. [illegible] PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:30-10:05 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 5-37 To BM 8-57
Date 1-3-52
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5282	32.485	212	1959		5582	28.085	211	1954	
	5070		212			5371		209		
	4858		424			5162		420		
6	15210	5.070		2383		16115	5.372		2374	
	6160		214			5442		212		
	5946		214			5230		215		
	5732		428			5015		427		
7	17838	5.946		2811		15687	5.229		2801	
	5683		212			5343		212		
	5471		211			5131		213		SUMMATION OF RUN
	5260		423			4918		425		BM 5-37 TO BM 8-57
8	16414	5.471		3234		15392	5.131		3226	
	5748		213			5332		212		
	5535		213			5120		209		TOTAL BACKSIGHTS +57.994
	5322		426			4911		421		" FORESIGHTS -55.529
9	16605	5.535		3660		15363	5.121		3647	DIFF IN ELEVATION +4.465
	5698		211			6804		213		
	5487		210			659		212		BM 8-57
	5277		421			6379		425		SEE F.B. 1207-47
10	16462	5.487		4081	50°	19774	6.591		4072	FOR DESCRIPTION
		59.994					55.529			

F.B. 1207 PG. 264

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of L.A. Co. PRECISE LEVEL NET
W.O. 0301.02 Tape No. St'd. °F
Surveyed by G.E. DREIER
Notes G.E.D. Date 2/10/57
Indexed A. C. JOHNSON

F. B. 1207 PG. 265

JOB No. 0301.02

L.A. CO. PRECISE LEVEL NET

ADDITIONAL AND REPLACEMENT B.M.S IN LINE #8

LEVEL NOTES IN F.B. 2420 AND F.B. 2421

DREIER
MOODY
OHASHI
CERICOLA
LATTERL

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.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

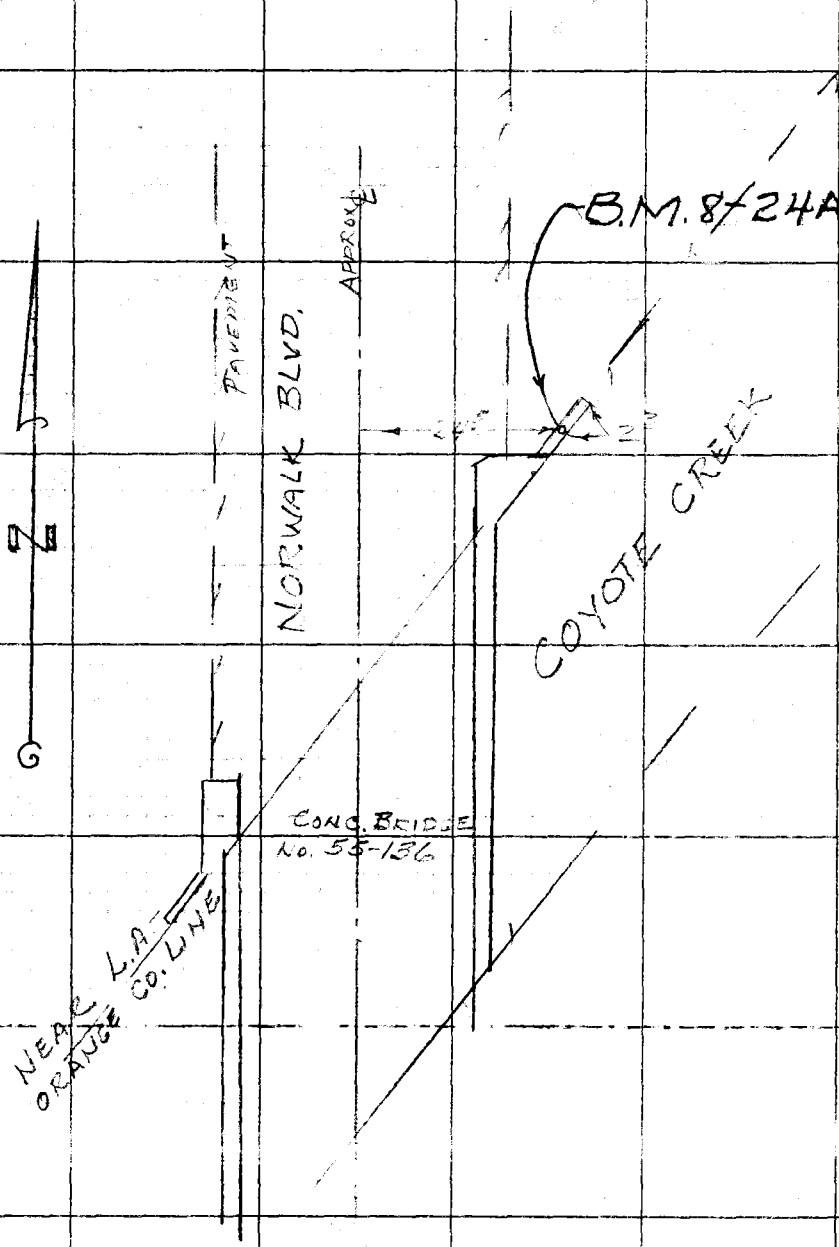
76F3095 247 10M 1-49

F. B. 1209 PG. 266

B.M. 8-24A

NORWALK BLVD. AND COYOTE CREEK, N.E. COR. OF CONC. BRIDGE No 55-136, 24.5 FT. E. OF ℄, 2.3 FT. S.W. OF N.E. END OF ABUTMENT, A STD. U.S. C. & G. S. BRASS STAMPED "C-779 RESET 1955" IN TOP OF CONC. ABUTMENT.

SEE F.B. 2420 & 2421 FOR LEVEL NOTES



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

Do not extend notes 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 Ck'd by	Survey of L.A.Co. Precise Level No.
Map No.	W. O. 0901.02 Tape No. St'd. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date 10-7-57
Date	Indexed C. Johnson

F.B. 1201 Pg. 261

BM 8-31A (J-51 RESET 1952)

SPRING ST. AND SAN GABRIEL RIVER, N.W. COR., 60 FT. N. OF ℄, 84 FT. W. OF W. END OF BRIDGE, A ~~STD.~~ H.S.C. & G.S. 4½" BRASS BM. DISC STAMPED "J-51 RESET 1952" IN S.E. COR OF A LARGE SQUARE M.H. 4 FT. ABOVE GROUND.
(Also see FB 1396-24) wtm

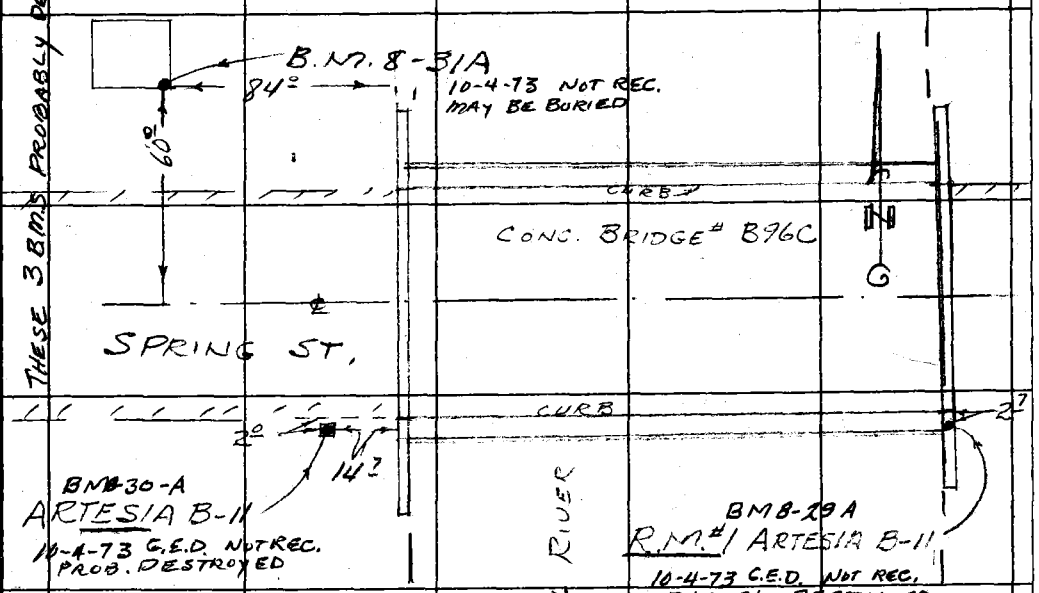
BM 8-30A
B.M. ARTESIA B-11 1954

SPRING ST. AND SAN GABRIEL RIVER, S.W. COR., 14.7 FT. W. OF WEST END OF CONC. BR. No. B 96C, 2 FT. S. OF CURB LINE, A ~~STD.~~ 3½" Brass Disk L.A.Co. TRAVERSE STATION STAMPED "ARTESIA B-11 1954" REL 3 ~~14~~ 7 INCHES DEEP UNDER CAST IRON COVER marked County Surveyor Mon.

BM 8-29A
B.M. ARTESIA B-11 R.M. NO. 1

SPRING ST. & SAN GABRIEL RIVER, S.E. COR., A ~~STD.~~ L.A.Co. SUR. CONTROL 4" REFERENCE DISC, STAMPED "ARTESIA B-11 R.M. NO. 1 1954" REL 3 IN TOP OF CONC. ABUTMENT, 2.7 FT S. OF CURB LINE.

THESE 3 BMS PROBABLY DESTROYED BY BRIDGE WIDENING



See F.B. 2407 pg 217 to 228 For Vertical Ties
B.M. 8-30A
To 8-30B
& 8-30C

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

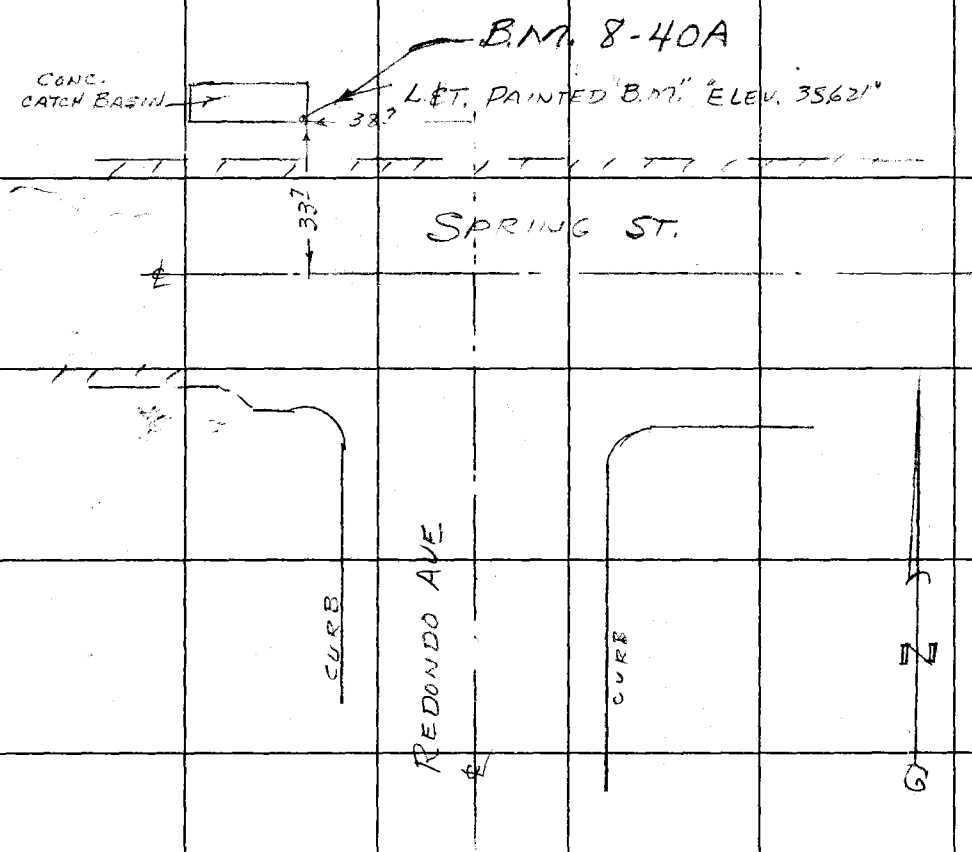
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 247 2-51

F. B. 1209 PG. 268

B.M. 8-40A (CITY OF L.B. B.M.)
SPRING ST. AND REDONDO AVE, N.W. COR.,
33.7 FT. WEST AND 33.7 FT. NORTH OF ℄, A
L.& TACK IN S.E. COR. OF CATCH BASIN PAINTED
"B.M."
Not Recovered 23 June 1965 F.E.B.
See F.B. 3704 - 213 for BM 8-40C
" " " - 211 " " 8-40D



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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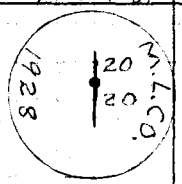
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A.Co. PRECISE LEVEL NET
Map No.	W.O. 301.02 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date
Date	Indexed E. C. Johnson

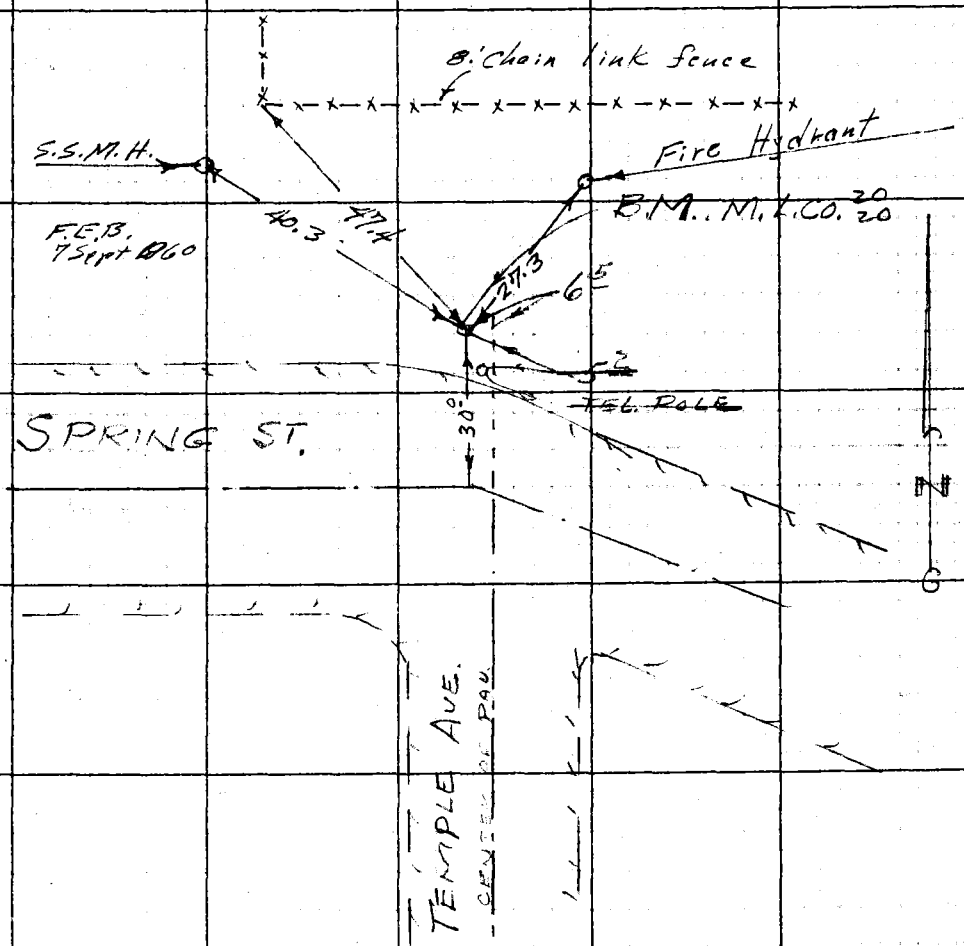
F. B. 1207 Pg. 269

B.M. M.L.Co. 20/20 Not recovered 21 June 1965 F.E.B.

IN LONG BEACH, SPRING ST AND TEMPLE AVE., N. SIDE, 30 FT. N. OF ℄ ANGLE POINT OF SPRING ST., 6.5 FT. W. OF CENTER OF TEMPLE AVE PROD., 5.2 FT. N.W. OF A TELEPHONE POLE A BRASS CAP STAMPED-



IN CONC. 16 INCHES BELOW SURFACE IN HAND HOLE WITH COVER



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.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 10M 1-49

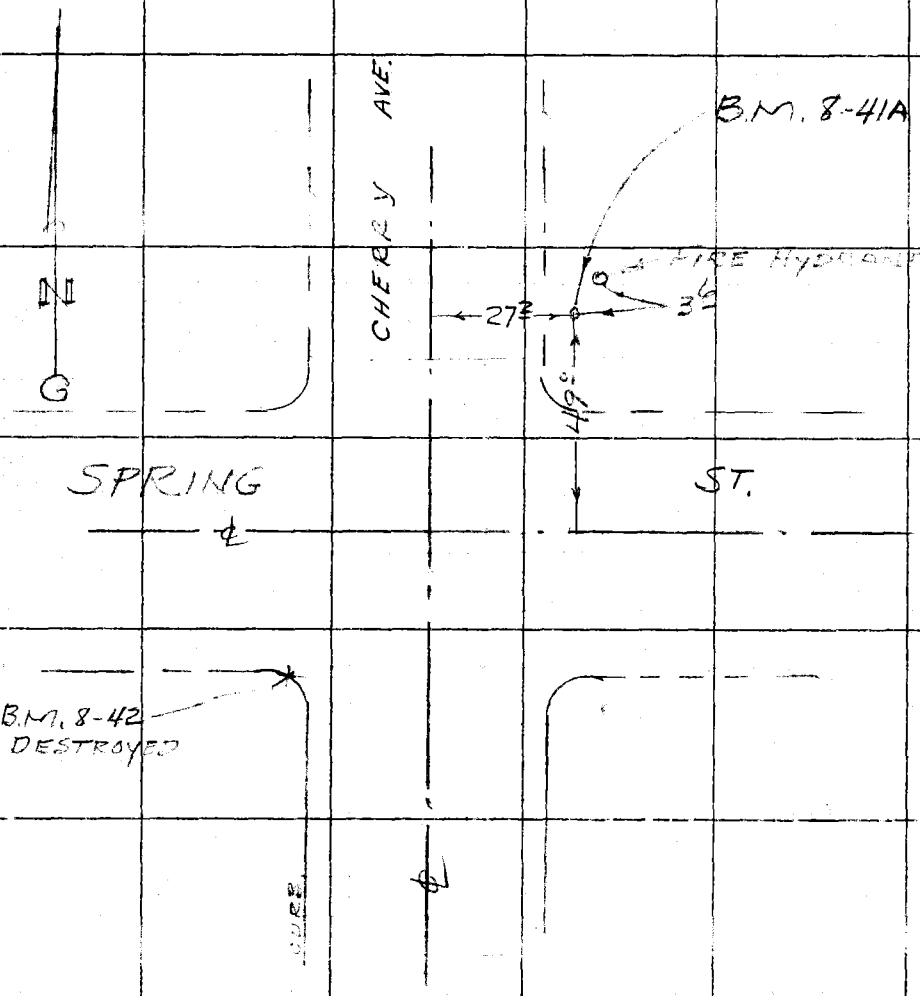
F. B. 1209 PG. 270

B.M. 8-41A

AT LONG BEACH, AT THE N.E. COR. OF SPRING ST. AND CHERRY AVE, 27.2 FT. E. OF ℄ AND 49.0 FT. N. OF ℄. 3.6 FT. S.W. OF A FIRE HYDRANT, A CITY OF LONG BEACH BRASS CAP MON. IN 6" HANDHOLE WITH COVER LETTERED "L.B.B.M." 12 INCHES BELOW THE SURFACE.

Not Recovered 21 June 1965 F.E.B.

See F.B. 3704 - 215 for BM 8-41B



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

Do not extend notes 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 Ck'd by	Survey of L.A. Co. PRECISE LEVELING
Map No.	W. O. 0301.02 Tape No. St'd. °F
Office Work	Surveyed by G. E. DRAIER
Checked	Notes G.E.D. Date 10-12-57
Date	Indexed G. Johnson

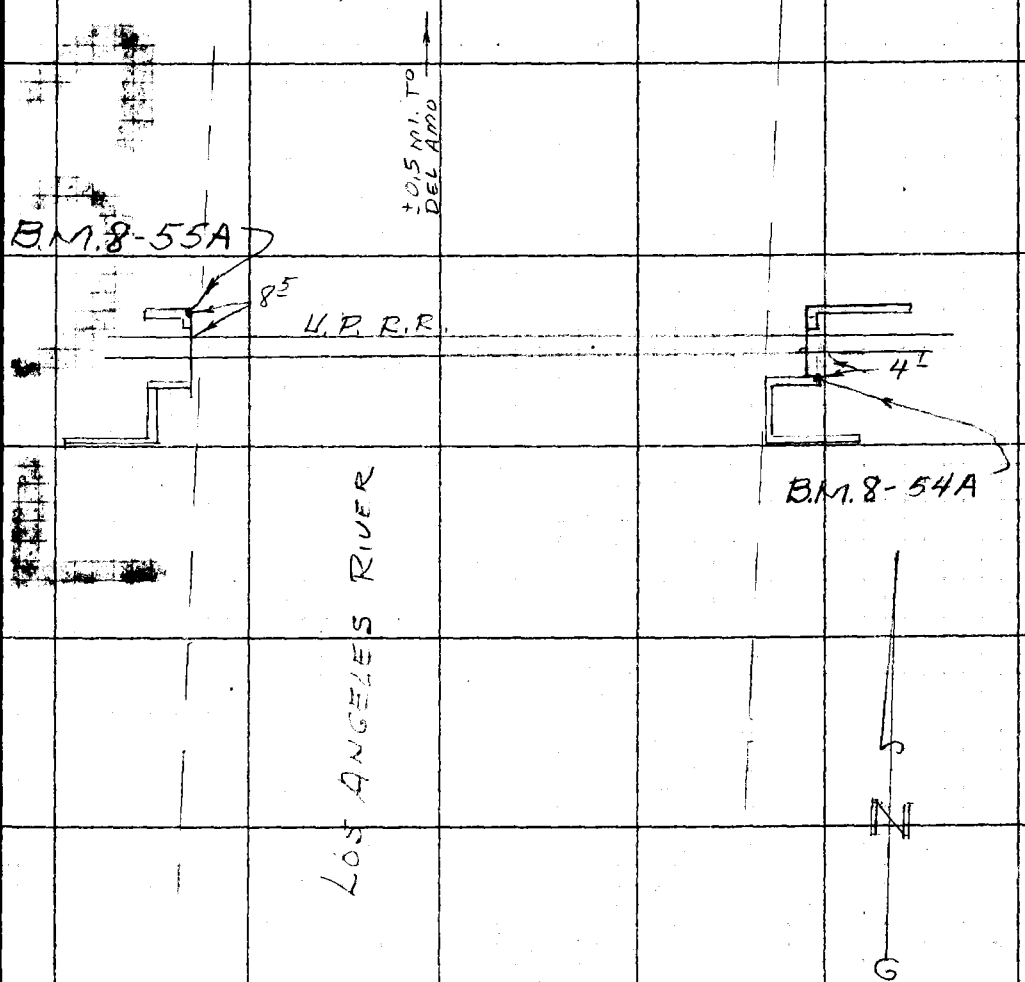
F. B. 1209 Pg. 271

B.M. 8-54A

U.P. RR AND LOS ANGELES RIVER, S.E. COR.,
CHISELED SQUARE IN MOST N.ELY COR. OF CONC.
ABUTMENT, 4.1 FT. SOUTH OF S. RAIL
Not recovered 7 Sept 1960 F.E.B.

B.M. 8-55A

U.P. RR AND LOS ANGELES RIVER, N.W. COR.,
CHISELED SQUARE IN MOST N.ELY COR. OF CONC.
ABUTMENT, 8.5 FT. N. OF N. RAIL.



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.

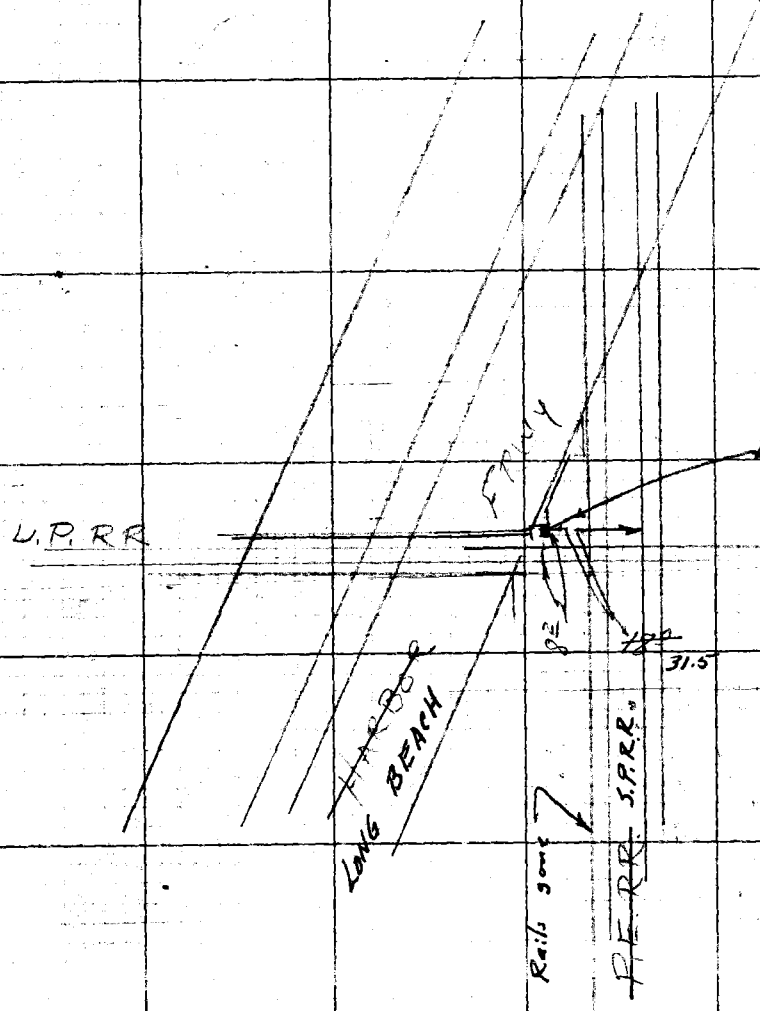
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 10M 1-49

F. B. 1209 Pg. 272

B.M. 8-56 A

~~P.E. R.R. AND U.P. R.R. LONG BEACH FREEWAY NEAR DOMINGUEZ ST., A LARGE BOAT SPK IN CONCT ABUTMENT 18 FT. W. OF W. RAIL AND 8.2 FT N. OF NORTH RAIL~~

S.P.R.R. and U.P.R.R. at Long Beach ~~Freeway~~ Freeway near end of Dominguez St. A lg Bt Spk set in cone Abutment 8.2 ft N. of N. Rail of U.P.R.R. and 31.5 ft W. of W. rail of S.P.R.R.

P.E.B. 28 June 65