Notes Ck'd by	Survey of
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. E. NAUMANN
Checked	Notes H. E. NAUMANN Date JUNE 51
Date	Indexed J. C. Johnson 7-30-51

F. B. 1203 PG. 5

LINE "1"

LOS ANGELES COUNTY

PRECISE LEVEL NET

J.N. 4925

FOR DESCRIPTIONS AND ELEVATION OF BENCH MARKS SEE PAGES 6-36

H. NAUMANN

G. E. DREIER

E. LANDA

S. SHINODA

T. OHASHI

R. H. HUBBARD

F. B. 1202 PG. 6

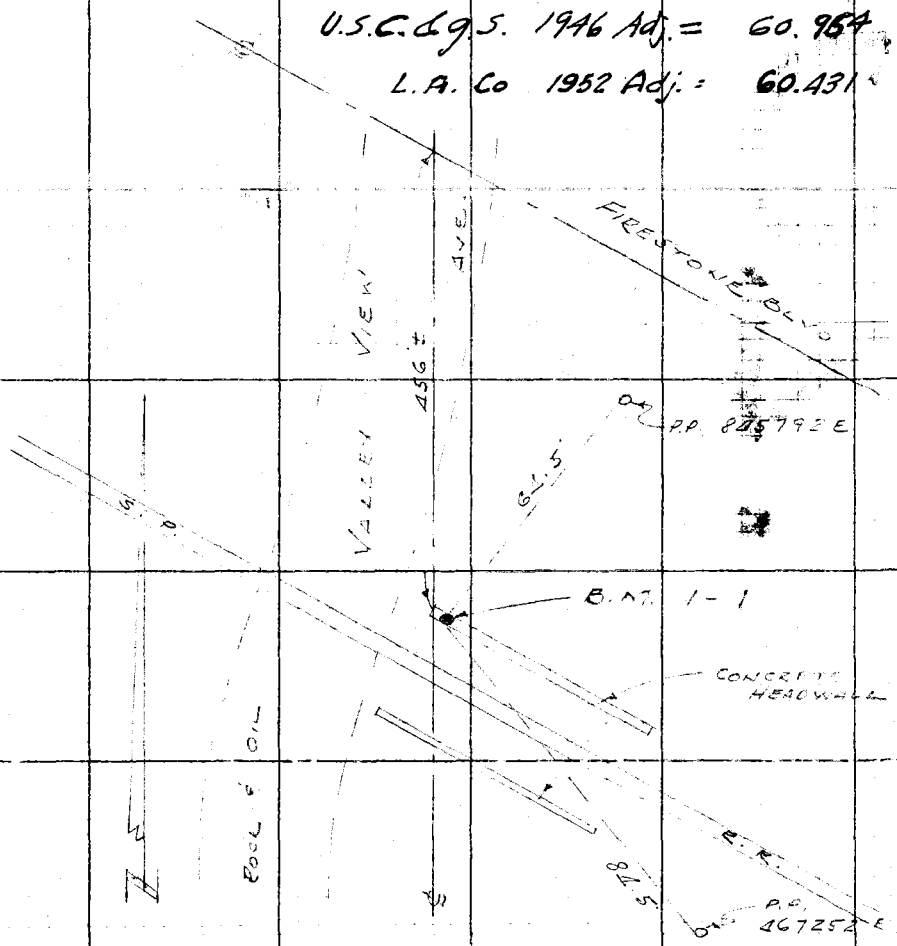
FOR DESC See FB 3709-7 W Vage 10-20-LS

B.M. 1-1 (U.S. 42) (T 33+62) (U.S.G.S.)

ABOUT 3.0 MI E. ALONG ARTESA AVE. FROM THE INTERSECTION OF PIONEER AVE. AT ARTESIA, THENCE ABOUT 0.6 M NORTH ALONG VALLEY VIEW AVE; ABOUT 3.4 M. S.E. ALONG THE S.P.R.R. FROM THE SAN ANTONIO AVE. CROSSING, AT NORWALK, AT THE VALLEY VIEW AVE. CROSSING, AT A CC CULVERT, IN THE N.W. END OF THE N.E. HEADWALL, 26' S.E. ALONG THE N.E. RAIL FROM THE ℄ OF VALLEY VIEW AVE., AND 5.3' N.E. OF THE N.E. RAIL. A USGS STD DISK STAMPED "62-1914-63-T-33

U.S.C.&G.S. 1946 Adj. = 60.954

L.A. Co 1952 Adj. = 60.431



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

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Checked	Notes H. F. NAUMANN Date JUNE 51
Date	Indexed J. C. Johnson

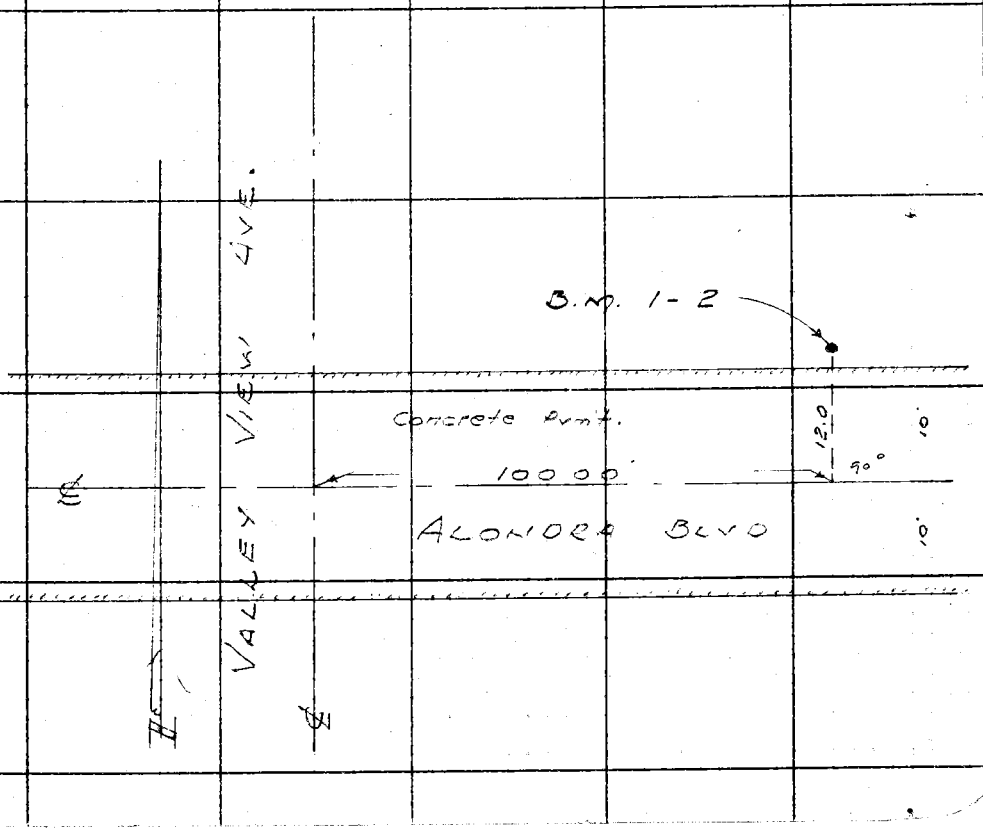
F. B. 1202 PG. 7

SET

B.M. 1-2

VALLEY VIEW AVE. & ALONORA BLVD. N.E. COR., A STD COUNTY SURVEYOR MONUMENT, R.E. 329, MARKED "B.M.-1-2, 1951", IN CONCRETE SET 15" BELOW THE SURFACE, 100' E. OF ℄ OF VALLEY VIEW AVE. AND 12' N. OF ℄ ALONORA BLVD., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. 66.101 ✓



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726 LOS ANGELES COUNTY
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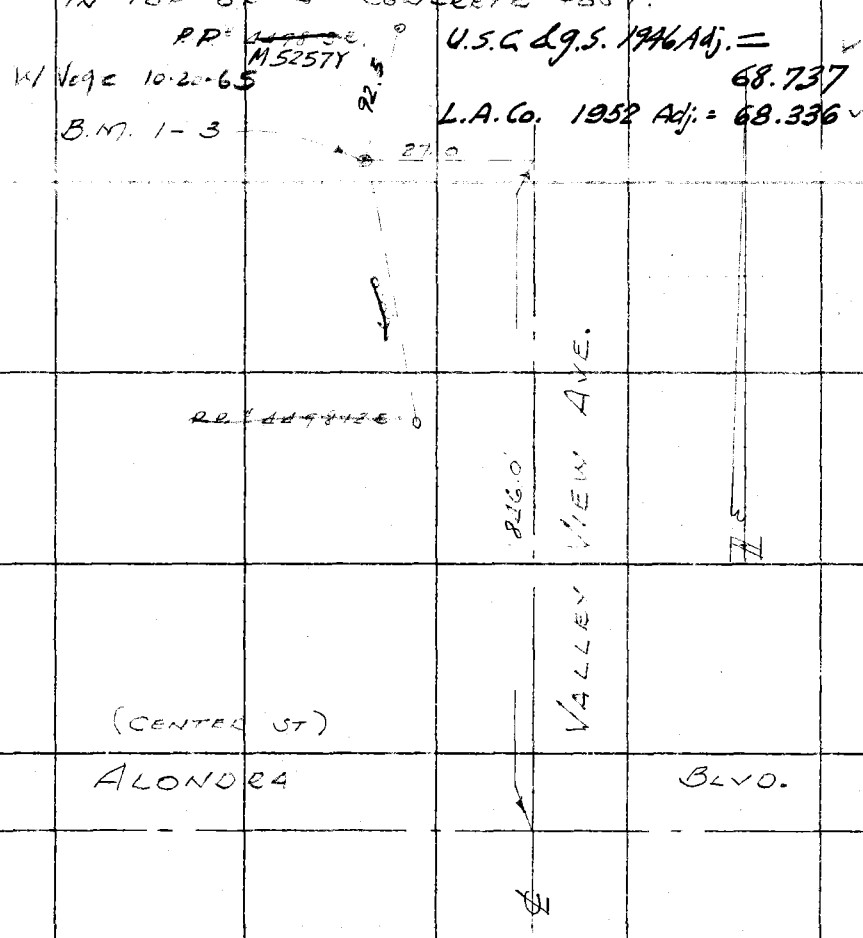
76F3098 247 10M 1-49

F. B. 1202 PG. 8

B.M. 1-3 (U.S. 3996)(J. 778)
ABOUT 3.5 M. E. OF NORWALK, L.A. CO.,
ABOUT 0.5 M. N. ALONG VALLEY VIEW AVE
FROM THE CROSSING OF THE SO. PACIFIC
CO. R.R., ABOUT 0.15 M. N. OF THE INTER-
SECTION OF ~~CENTER ST.~~ (Alondra BL), 25.4' FT. W. OF
THE ℄ OF THE AVENUE, ABOUT 84' FT.
S. OF POWER TRANSMISSION LINE POLE
~~#449213~~ #M5257Y ~~E. BEARING A TRANSFORMER, AT A T-FENCE CORNER, IN LINE WITH THE EAST-AND-WEST FENCE~~, AND 1.4 FT E. OF
THE NORTH-AND SOUTH FENCE. A STD.
DISC 3¾" diameter STAMPED "J 778 1945" AND SET
IN TOP OF A CONCRETE POST.

8-2-68 NOT RECOVERED G.E.D.
STREET HAS BEEN WIDENED AND
LOCATION IS PAVED OVER AT A LOWER GRADE



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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Map No.	W. O. 0301.02 Tape No. St'd. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date 9-5-56
Date	Indexed A. C. Johnson 4-22-57

F. B. 1205 PG. 8A

JOB NO. 0301.02

L.A. CO. PRECISE LEVEL NET

REPLACEMENT B.M. FOR B.M. 1-4

DREIER, G.E.
WOOTEN, J.A.
OHASHI, T.
MELENDEZ, T.J.
DOYER, R.E.

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726 LOS ANGELES COUNTY
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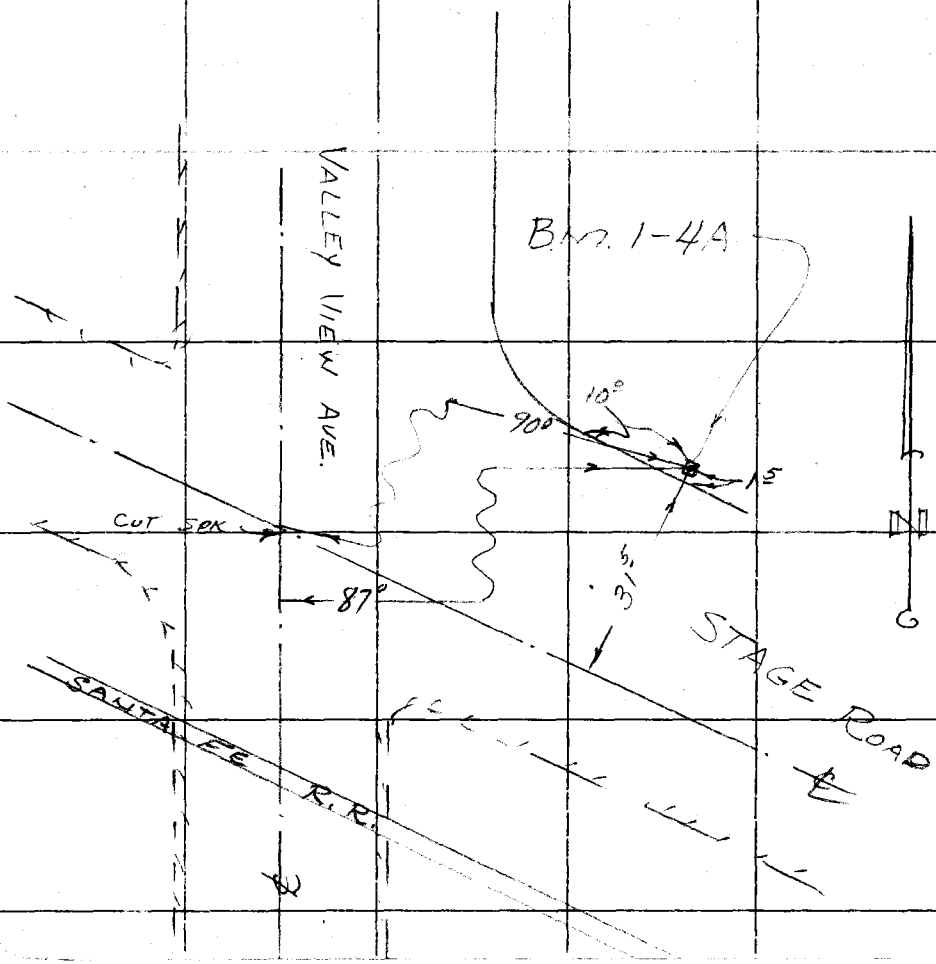
76F3008 247 4-55

F. B. 1202 PG. 8 B

B.M. 1-4.A (U.S.C&G.S K-778 1945) Reset)

VALLEY VIEW AVE AND STAGE ROAD, N.E. COR., 87.0 FT. E. OF ℄ AND 31.5 FT N.E. OF ℄, 1.5 FT BACK OF CURB, 19 FT S.E. OF S.E. END OF CURB RETURN, A STD. 3½" diameter U.S.C.&G.S. BRASS DISC STAMPED "K-778 1945" IN TOP OF 8" CONC. POST FLUSH WITH GRND.

NOTE THIS B.M. APPEARS TO BE SAME BRASS DISC AS B.M. 1-4 BUT IS IN DIFFERENT LOCATION AND ELEVATION.



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Checked	Notes G. E. DREYER Date JUNE 51
Date	Indexed A. C. Johnson

F. B. 1292 PG. 9

B.M. 1-A (U.S. 3997) (K 778)

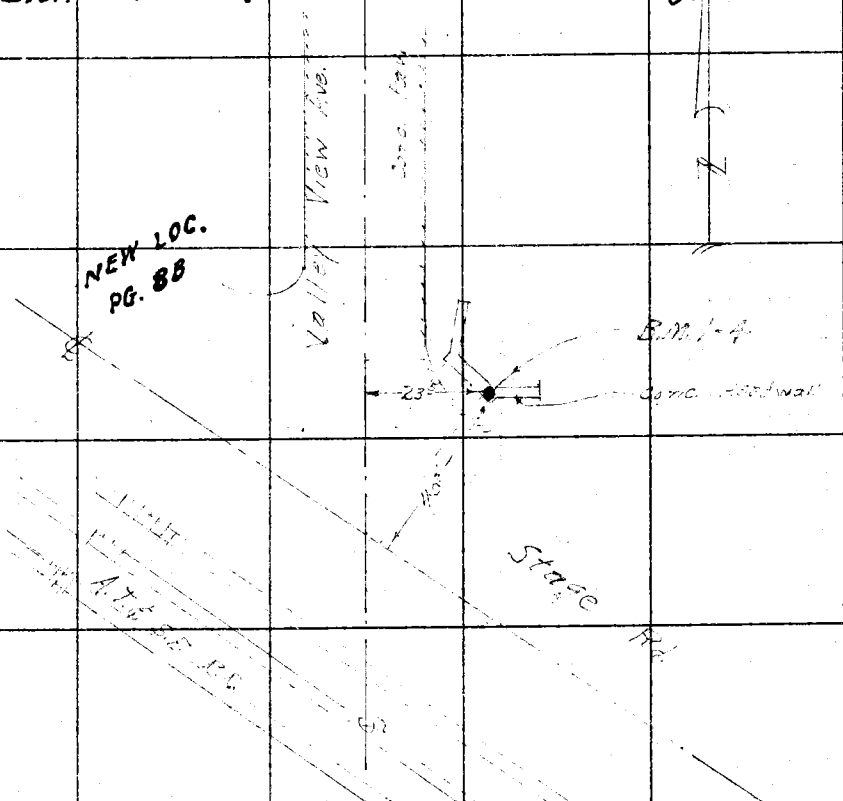
ABOUT 3.3 MI. E. OF NORWALK, L.A. CO., AT THE INTERSECTION OF VALLEY VIEW AVE. AND STAGE RD., 39.7' N. OF THE ℄ OF THE ROAD, 25.4' E. OF THE ℄ OF VALLEY VIEW AVE., AT A CULVERT UNDER STAGE RD., AND IN THE TOP OF THE N.E. END. A STD. DISK, STAMPED "K 778 1945"

U.S.C.+G.S. 1946 Adj. = 96.122

L.A. Co. 1952 Adj. = 95.788

This Bench mark moved and reset in south culvert headwall in Aug 1954. See L.B. 920-39 to 43

New Elev. = 95.341 (Based on L.A.Co. 1952 Adj.)



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RETURN TO
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726 LOS ANGELES COUNTY
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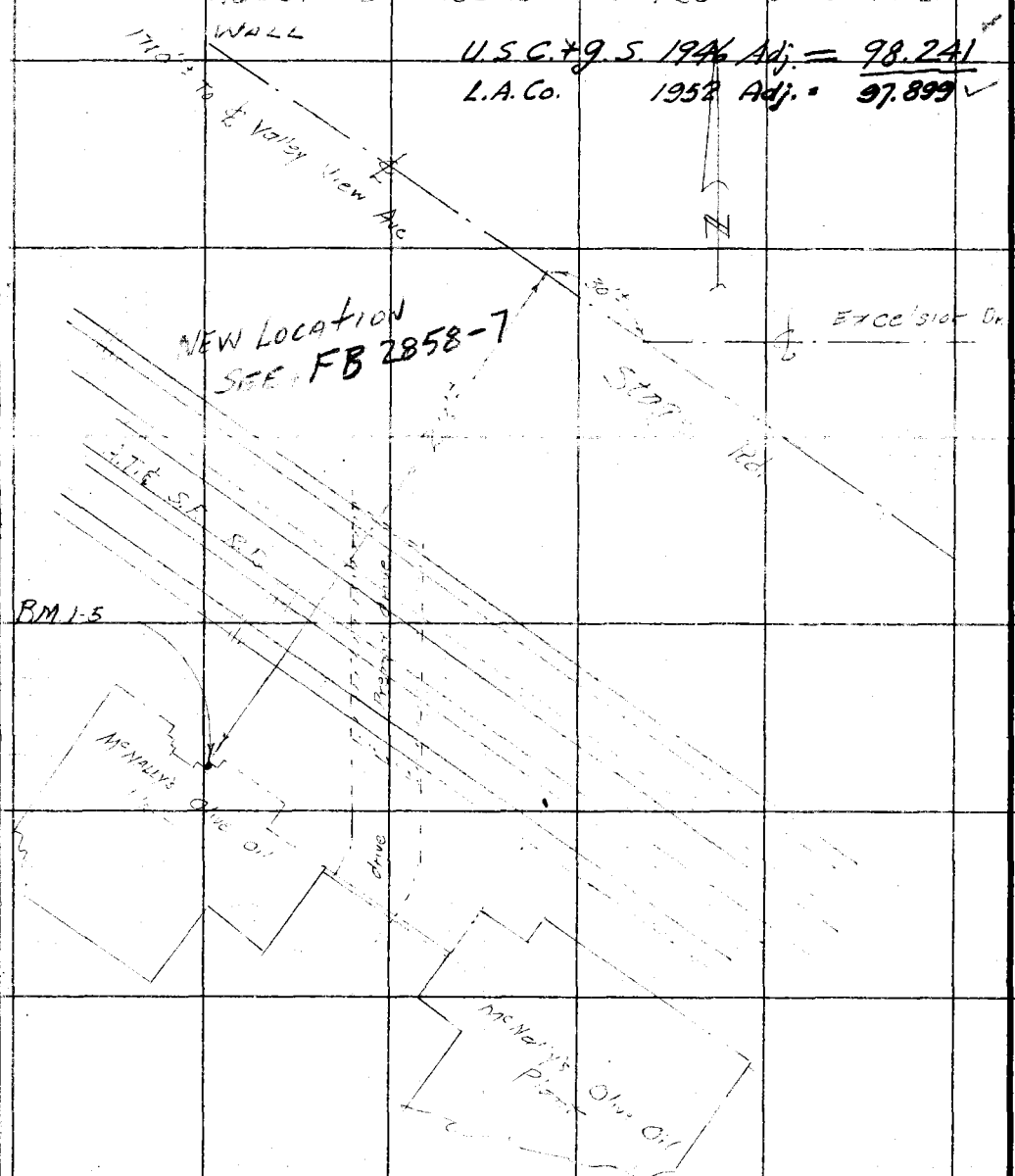
76F3098 247 10M 1-49

F. B. 1202 Pg. 10

B.M. 1-5 (U.S. 2237)(P-51)
AT LA MIRADA IN THE CONCRETE WALL OF McNALLY OLIVE OIL PLANT WHICH FACES THE A.T. & SANTA FE R.R., ABOUT 150' ~~[illegible]~~ S. S.E. OF THE R.R. STATION. A STD. DISK STAMPED "P-51-1926" AND SET ABOUT 18" ABOVE THE GROUND IN THE WALL

U.S.C.&G.S. 1946 Adj. = 98.241
L.A. Co. 1952 Adj. = 97.899



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Checked	Notes H.F. NAUMANN Date JUNE 51
Date	Indexed A. C. Johnson

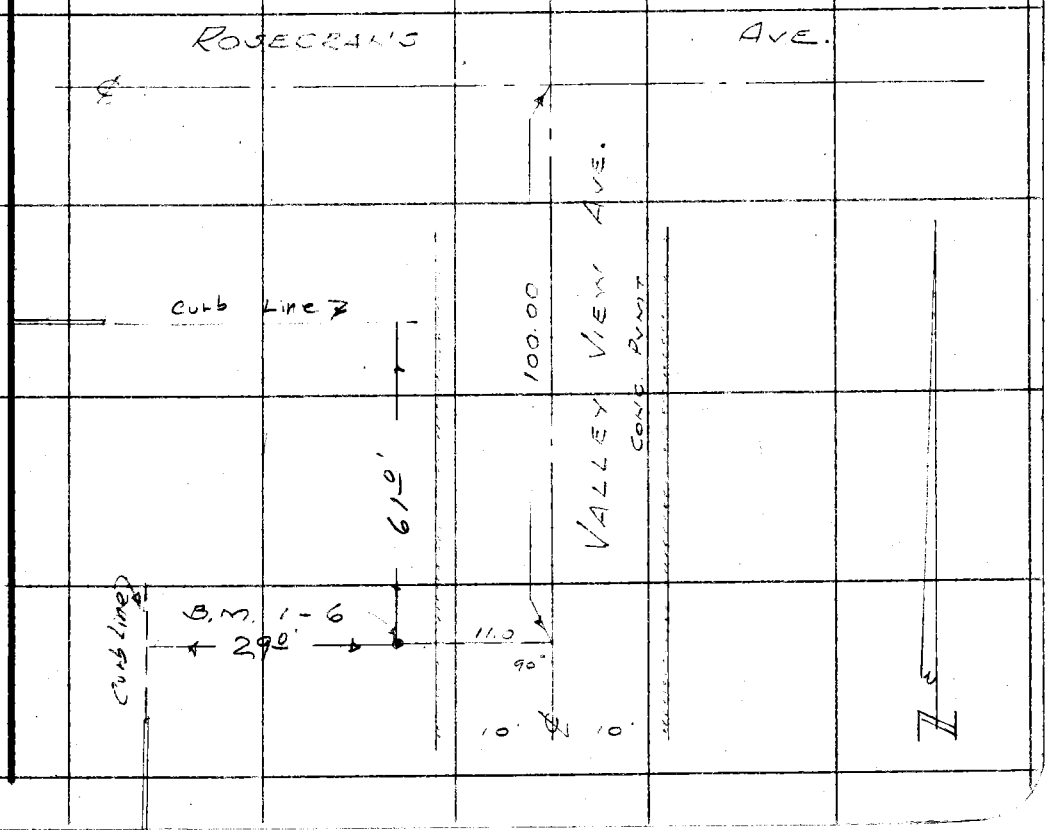
F. B. 1202 PG. 11

B.M. 1-6

VALLEY VIEW AVE. & ROSECRANS AVE. S.W. COR., A STD 2 1/2" COUNTY SURVEYOR MONUMENT, R.E. 329, WITH BUTTON MARKED "B.M. 1-6 1951", SET IN CONCRETE 15" BELOW THE SURFACE, 100' S. OF THE ℄ OF ROSECRANS AVE., AND 11.0 W. OF THE ℄ OF VALLEY VIEW AVE. IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT" 29.0' E of W Curb of Valley View & 61.0' S. of S. Curb Line of Rosecrans

L.A. Co. 1952 Adj. = 110.315

(W Voge 10-20-65)



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RETURN TO
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726 LOS ANGELES COUNTY
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76F309B 247 10M 1-49

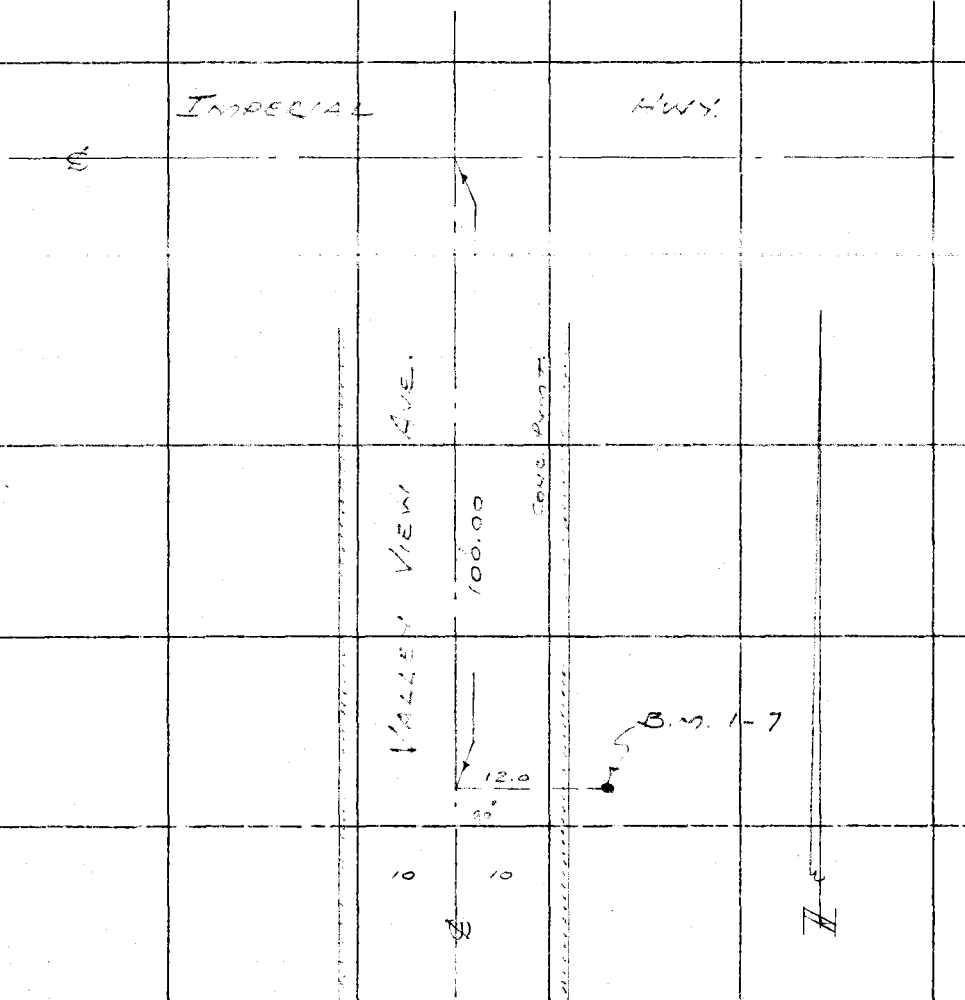
F. B. 1302 Pg. 12

B.M. 1-7

For description see FB 3707-21 W Kye 10-25-65

VALLEY VIEW AVE. & IMPERIAL HWY.
S.E. COR., A STD. COUNTY SURVEYOR
MONUMENT, R.E. 329, MARKED "B.M. 1-7
1951.", SET IN CONCRETE 15" BELOW THE SURFACE., 100'
S. OF THE ℄ OF IMPERIAL HWY. AND 12' E.
OF THE ℄ OF VALLEY VIEW AVE. IN A
WELL CUT THROUGH THE PAVEMENT AND
PROTECTED BY A CAST IRON COVER MARKED
"COUNTY SURVEYOR MONUMENT"

L.A. Co. 1952 Adj. = 114.580



RETURN TO
LOS ANGELES COUNTY SURVEYOR
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Checked	Notes H. F. NAUMANN Date JUNE 51
Date	Indexed E. C. Johnson

F. B. 1202 PG. 13

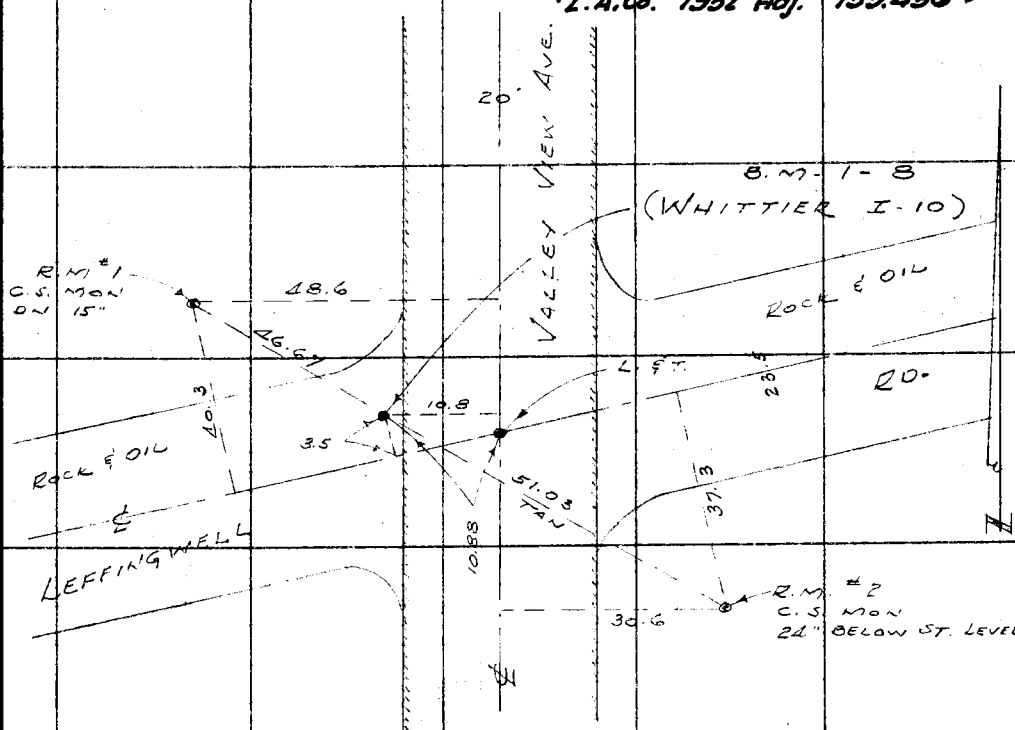
B.M. 1-8 (WHITTIER I-10)

THIS STATION IS AT THE INTERSECTION OF LEFFINGWELL ROAD AND VALLEY VIEW AVE. IN THE SANTA FE SPRINGS DISTRICT, 3.5' NORTHWESTERLY FROM THE APPROXIMATE CENTER LINE OF LEFFINGWELL RD., 10.8' WESTERLY FROM THE CENTER LINE OF VALLEY VIEW AVE., AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

STATION MARK: A STANDARD 4" BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION. WHITTIER I-10 R.E. 2177 SET BY COUNTY SURVEYOR 1942" WAS SET IN CONCRETE 2" BELOW THE SUBGRADE OF THE STREET.

REFERENCE - F.B. 931-17, 18.

L.A.Co. 1952 Adj. 159.456'



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

76F3098 247 10M 1-49

F. B. 1202 PG. 14

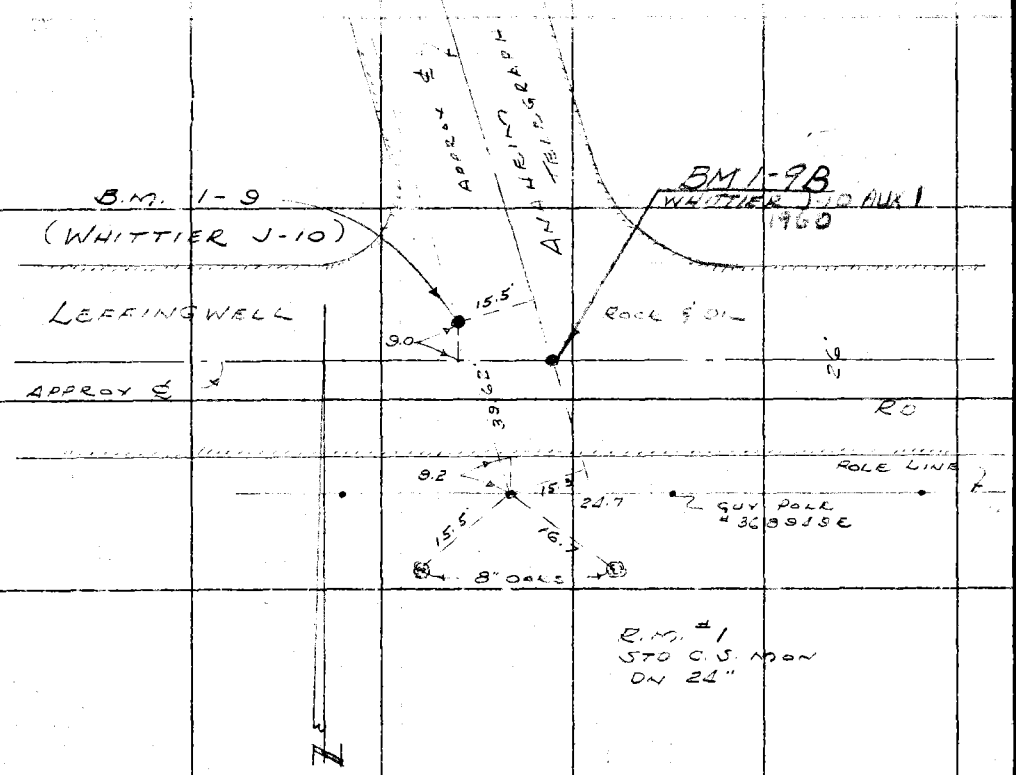
B.M. 1-9 (WHITTIER J-10)

THIS STATION IS AT THE INTERSECTION OF ANAHEIM TELEGRAPH AND LEFFINGWELL RDS. IN THE SANTA FE SPRINGS - LA HABRA DISTRICT, 9.0' NORTHERLY FROM THE APPROXIMATE CENTER LINE OF LEFFINGWELL RD., 15.5' SOUTHWESTERLY FROM THE SOUTHEASTERLY PROLONGATION OF THE CENTER LINE OF ANAHEIM - TELEGRAPH RD., IN A WELL CUT THROUGH THE PAVEMENT, AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

STATION MARK: A STANDARD 2 INCH BRASS TABLET INSCRIBED: "L. A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION - WHITTIER J-10 R.E. 2177 SET BY COUNTY SURVEYOR 1942," WAS SET IN CONCRETE 2" BELOW THE SUBGRADE OF STREET.

REFERENCE F.B. 931 - 19, 20

L.A. Co. 1952 Adj: 188.377



RETURN TO
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Checked	Notes H. F. NAUMANN Date JUNE 5
Date	Indexed L. C. JOHNSON

F. B. 1202 PG. 15

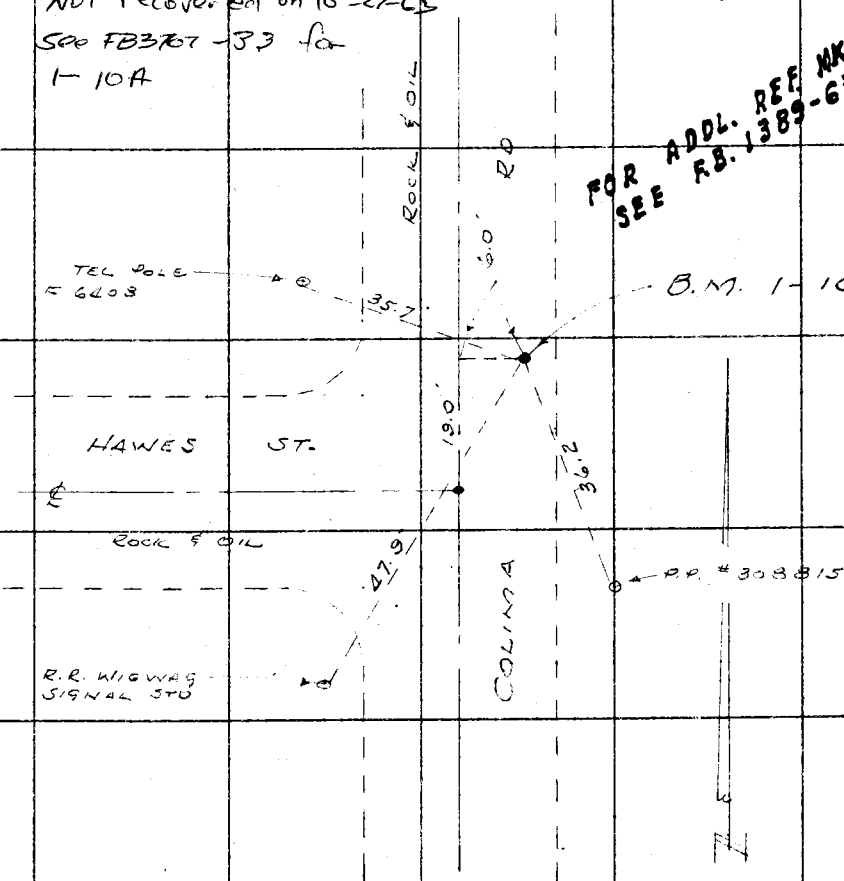
B.M. 1-10

COLIMA ROAD & HAWES ST., N.E. COR.,
A STD COUNTY SURVEYOR MONUMENT, R.E. 329
MARKED: "B.M 1-10 - 1951." SET IN CONCRETE 1.5" BELOW THE
SURFACE, 19.0' NORTH OF CENTER LINE OF HAWES
ST., AND 60' EAST OF THE CENTER LINE OF COLIMA
ROAD, IN A WELL CUT THROUGH THE PAVEMENT
AND PROTECTED BY A CAST IRON COVER MARKED:
"COUNTY SURVEYOR MONUMENT"

L.A. Co. 1952 Adj. = 178.369

Not recovered on 10-27-65
See FB3767-33 for
1-10A

FOR ADDL. REF. MKS.
SEE F.B. 1389-63



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726 LOS ANGELES COUNTY
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76F309B 247 10M 1-49

F. B. 1202 PG. 16

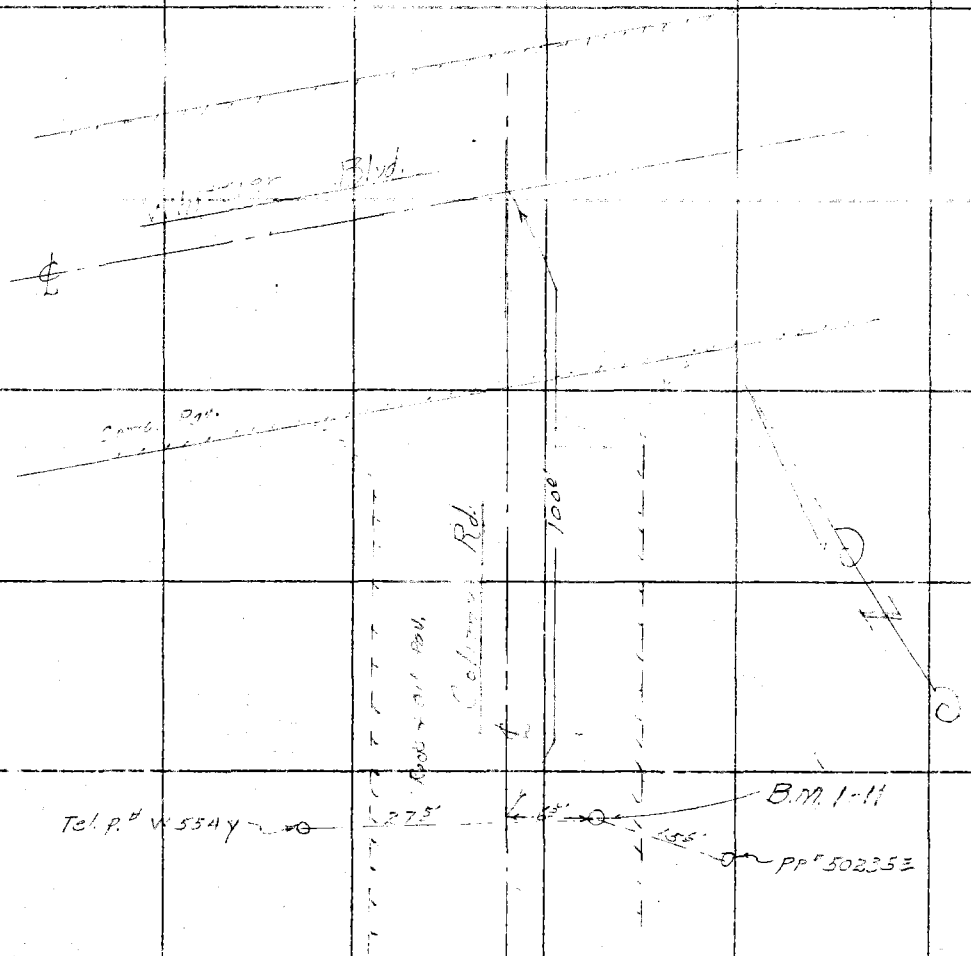
See FB 3706-37 for description W. Voge 10-27-65

B.M. 1-11

WHITTIER BLVD & COLMIA ROAD

S.E. COR. A STANDARD COUNTY SURVEYOR MONUMENT, R.E. 329, MARKED: "B.M. 1-11 1951." SET 15" BELOW THE SURFACE, 100' SOUTH OF THE CENTER LINE OF WHITTIER BLVD. AND 65' EAST OF THE CENTER LINE OF COLIMA RD. IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

L.A. Co. 1952 Adj: 259.078



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Checked	Notes H. F. NAUMANN Date JUNE 51
Date	Indexed A. C. JOHNSON

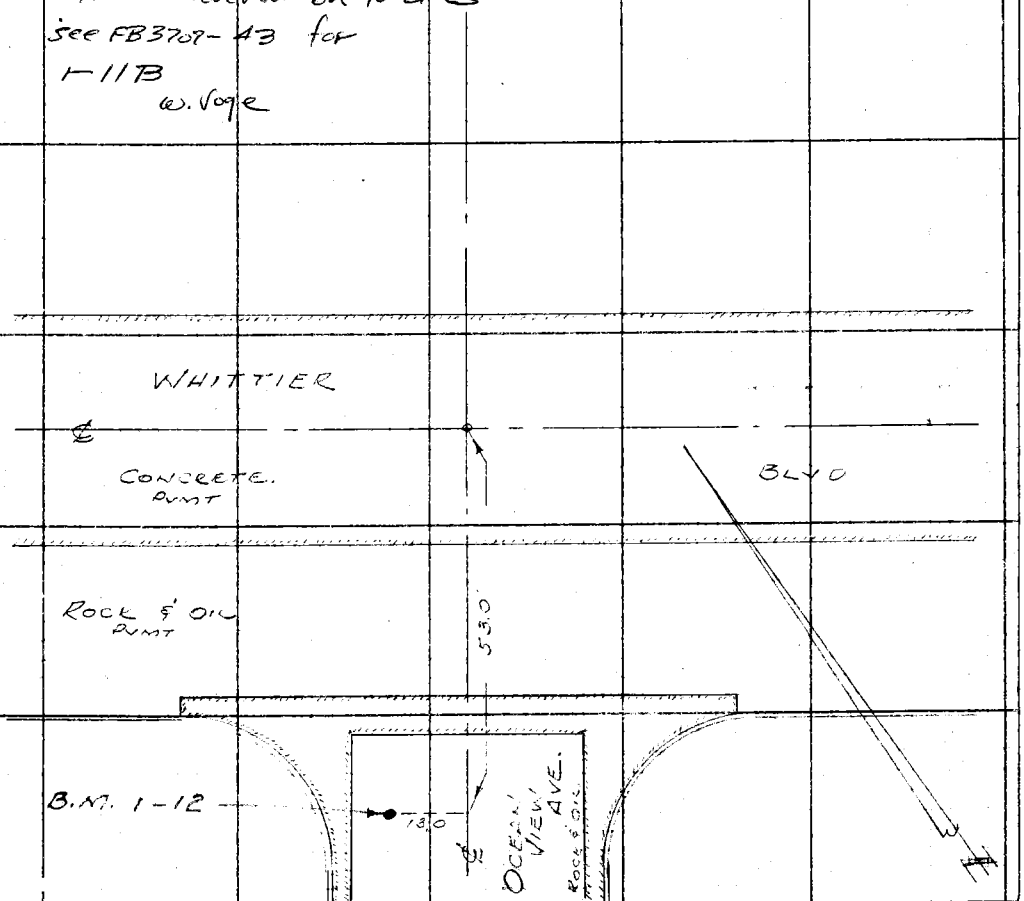
F. B. 1202 PG. 17

B.M. 1-12

WHITTIER BLVD & OCEAN VIEW AVE.
S.W. COR., A STANDARD COUNTY SURVEYOR MONUMENT. R.E. 329. MARKED: "B.M. 1-12 1951." SET IN CONCRETE 15" BELOW THE SURFACE 53' SOUTH OF THE CENTER LINE OF WHITTIER BLVD AND 13 W. OF THE CENTER LINE OF OCEAN VIEW AVE., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. = 256.975 ✓

Not recovered on 10-27-CS
see FB3709-43 for
F-11B
W. Soye



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RETURN TO
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76F3098 247 10M 1-49

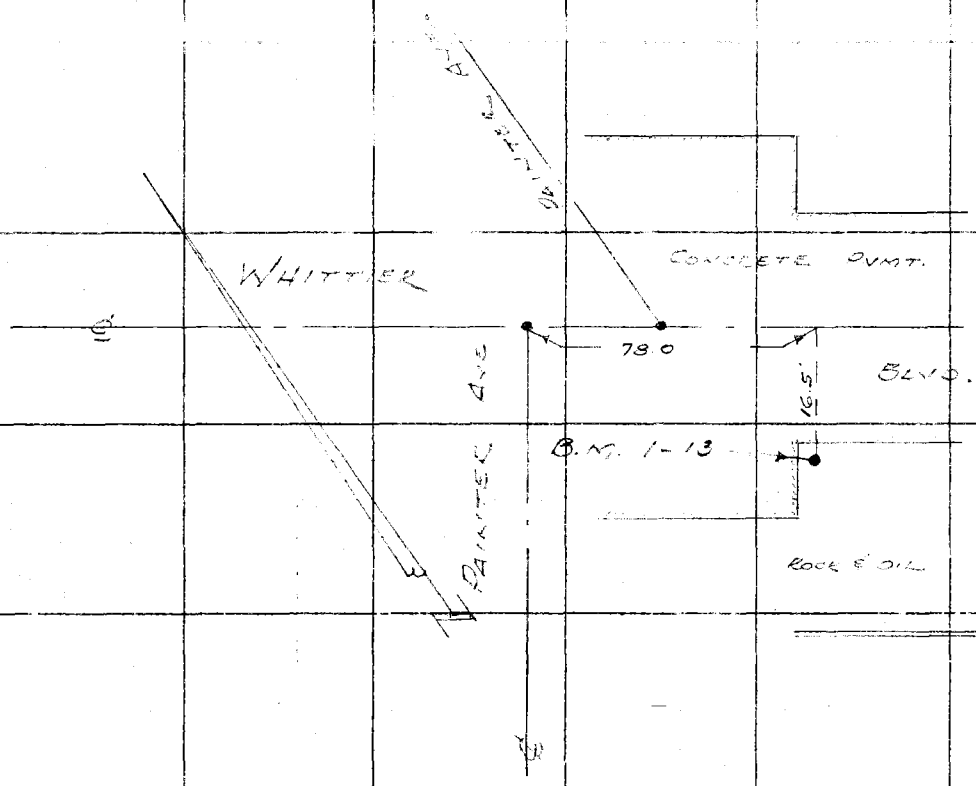
F. B. 1202 PG. 15

B.M. 1-13

WHITTIER BLVD. & PAINTER AVE. S.E. COR., A STANDARD COUNTY SURVEYOR MONUMENT E.E. 329, MARKED: "B.M. 1-13 ~ 1951" SET IN CONCRETE 15" BELOW THE SURFACE. 78' S.E. OF THE CENTER LINE OF PAINTER AVE. AND 16.5' S.W. OF THE CENTER LINE OF WHITTIER BLVD., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

L.A.Co. 1952 Adj. = 238.820

NOT RECEIVED



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Notes Ck'd by	Survey of
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Office Work	Surveyed by H. F. Naumann
Checked	Notes H. F. Naumann Date June 51
Date	Indexed E. C. Johnson

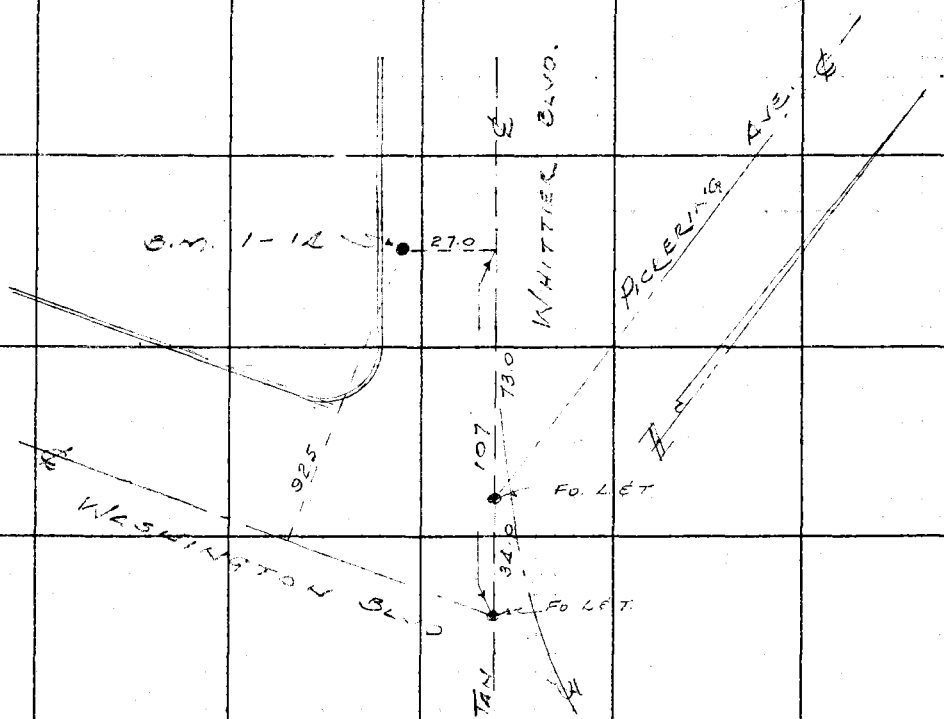
F. B. 1202 PG. 19

B.M. 1-12

WHITTIER BLVD & WASHINGTON BLVD.

N.W. COR., A STANDARD COUNTY SURVEYOR MONUMENT ~ R.E. 329, MARKED: "B.M. 1-12 ~ 1951", SET IN CONCRETE 15' BELOW THE SURFACE, 107' N.W. OF THE INT. OF WASHINGTON BLVD. & WHITTIER BLVD., 27.0 S.W. OF THE CENTER LINE OF WHITTIER BLVD & 92.5' N. OF THE CENTER LINE OF WASHINGTON BLVD., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

L.A. Co. 1952 Adj. 211.392



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76F3098 247 10M 1-49

F. B. 1202 PG. 20

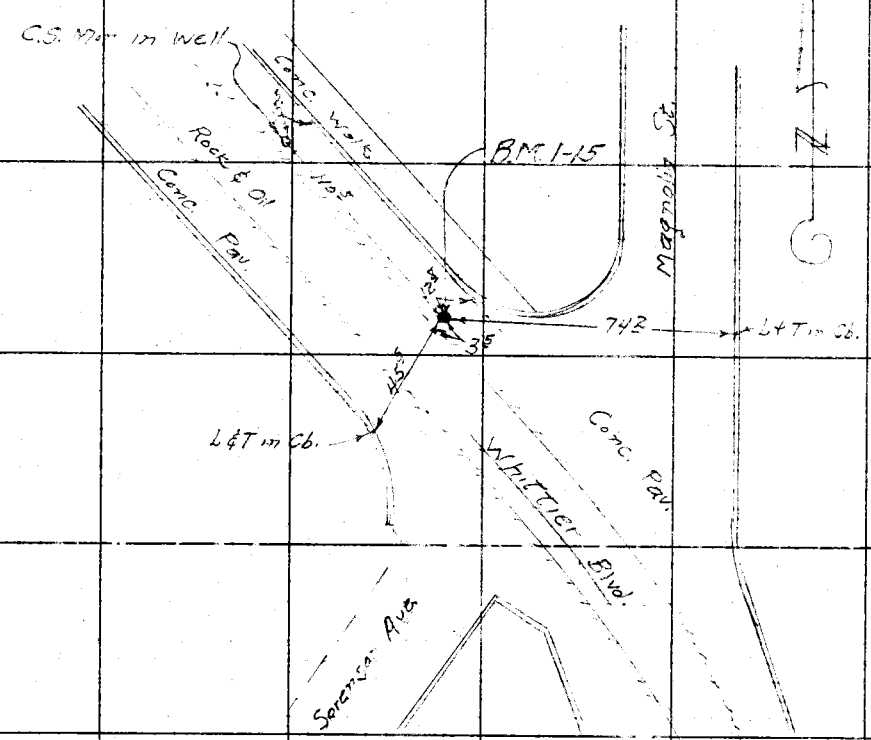
B.M. 1-15 (WHITTIER G-3)

THIS STATION IS NEAR THE INTERSECTION OF WHITTIER BLVD. AND MAGNOLIA AVE. IN THE CITY OF WHITTIER, 12.8 FEET SOUTHWESTERLY FROM THE NORTHEAST CURB LINE OF WHITTIER BLVD., AND 40.3 FEET WESTERLY FROM THE SOUTHERLY PROLONGATION OF THE WEST CURB LINE OF MAGNOLIA AVE., AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST-IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

STATION MARK: A STANDARD 4" BRASS TABLET INSCRIBED: "L. A. COUNTY SURVEY CONTROL SYSTEM - TRIANGULATION STATION WHITTIER G-3 R.E. 329 SET BY COUNTY SURVEYOR 1948", WAS SET IN CONCRETE 2" BELOW THE SUBGRADE OF THE STREET.

REF. F.B. 929-125, 126

L.A.Co. 1952 Adj. = 232.375



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F. B. 1202 PG. 21

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

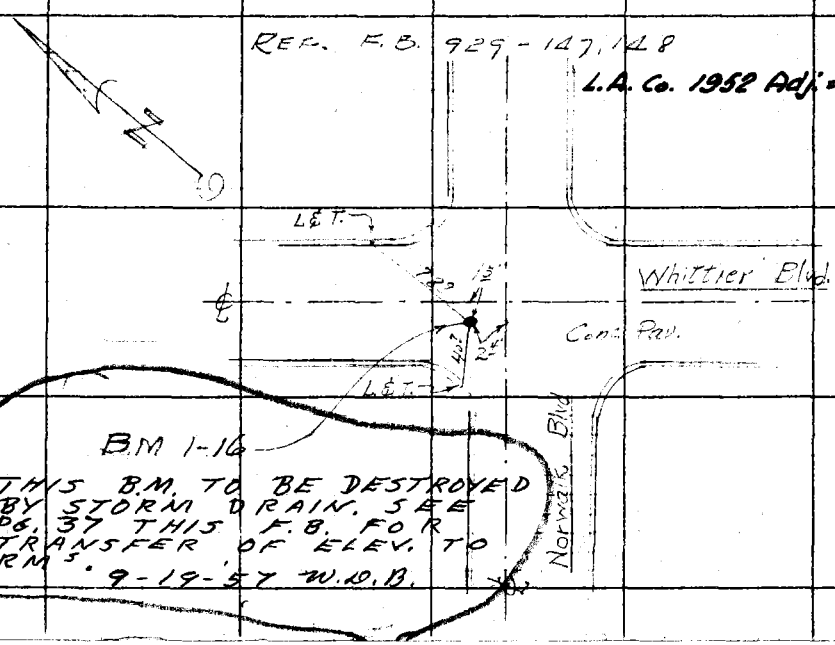
B.M. 1-16 (WHITTIER E-2)

THIS STATION IS IN THE INTERSECTION OF WHITTIER AND NORWALK BLVDS., 27.6 FEET SOUTHEASTERLY FROM THE SOUTHWESTERLY PROLONGATION OF THE NORTHWEST CURB LINE OF NORWALK BLVD. AND 30.0 FEET SOUTHWESTERLY FROM THE SOUTHEASTERLY PROLONGATION OF THE NORTHEAST CURB LINE OF WHITTIER BLVD., 40.73' EASTERLY FROM A LEAD AND TACK IN THE WEST CURB RETURN, 80.935 FEET SOUTHERLY FROM A LEAD AND TACK IN THE SIDEWALK NEAR THE NORTHWESTERLY END OF THE NORTH CURB RETURN, AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

STATION MARK: A STANDARD 4" BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION WHITTIER E-2 R.E. 329 SET BY COUNTY SURVEYOR 1912" WAS SET IN CONCRETE 2" BELOW THE SUBGRADE OF THE STREET.

REF. F.B. 929-147, 148

L.A. Co. 1952 Adj. = 176.334



76F3098 247 10M 1-49

F. B. 1202 PG. 22

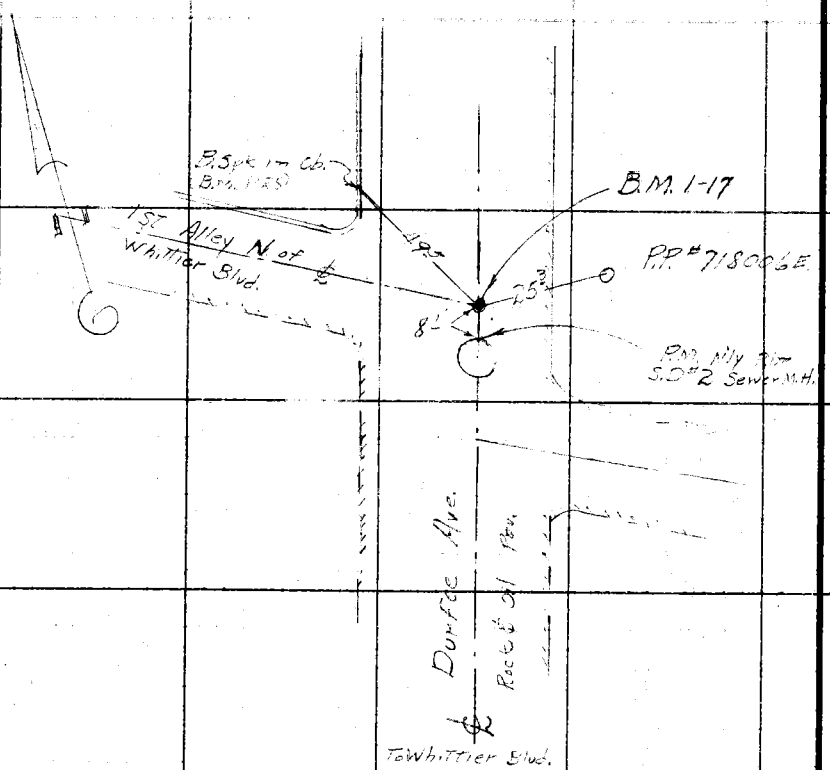
B.M. 1-17

DURFEE AVE. & FIRST ALLEY NORTH OF WHITTIER BLVD. AT CENTER LINE INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT - R.E. 329, SET IN CONCRETE 7" BELOW THE SURFACE IN A WELL CUT THROUGH THE PAVEMENT, AND PROTECTED BY A CAST IRON COVER MARKED - COUNTY SURVEYOR MONUMENT

for New description

L.A. Co. 1952 Adj. = 178.152 ✓

See FB 3707-67 (11-2-65 w. Vage)



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

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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. F. NAUMANN
Checked	Notes G. E. DREIER Date JUNE 51
Date	Indexed E. C. Johnson

F. B. 1202 PG. 23

For description see FB 3707-69 (11-2-67 Vogt)

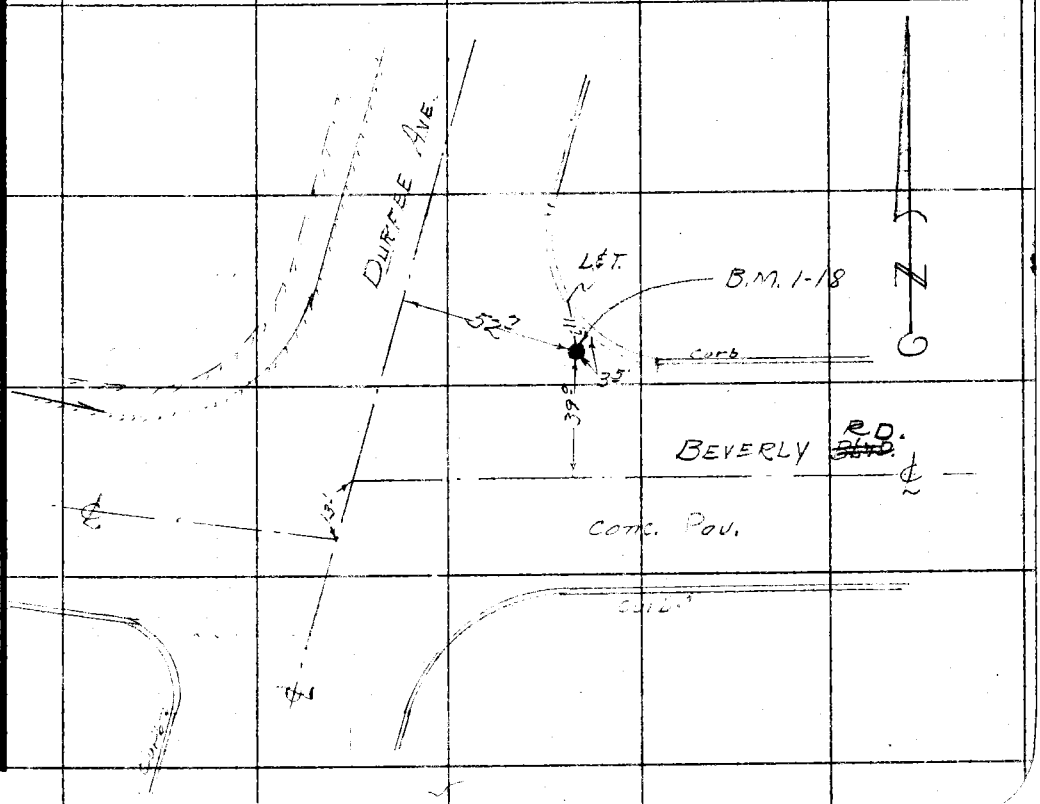
B.M. 1-18 (El Monte C-12)

THIS STATION IS ABOUT 1000 FT. NORTH OF PICO, A STATION ON THE UNION PACIFIC R.R. AND IN THE INTERSECTION OF BEVERLY ~~BLVD.~~ Road AND DURFEE AVE., 4.1 FT. NORTHERLY FROM THE WESTERLY PROLONGATION OF THE NORTH CURB LINE OF BEVERLY ~~BLVD.~~ Rd, 23.0 FT. EASTERLY FROM THE SOUTHERLY PROLONGATION OF THE EAST CURB LINE OF DURFEE AVE., AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

STATION MARK: A STANDARD 4" BRASS TABLET INSCRIBED "L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION EL MONTE C-12 RE. 329 SET BY COUNTY SURVEYOR 1948," WAS SET IN CONCRETE 2" BELOW THE SUBGRADE OF THE STREET

REFERENCE: F.B. 929-121, 122

L.A. Co. 1952 Adj. = 181.742



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 10M 1-49

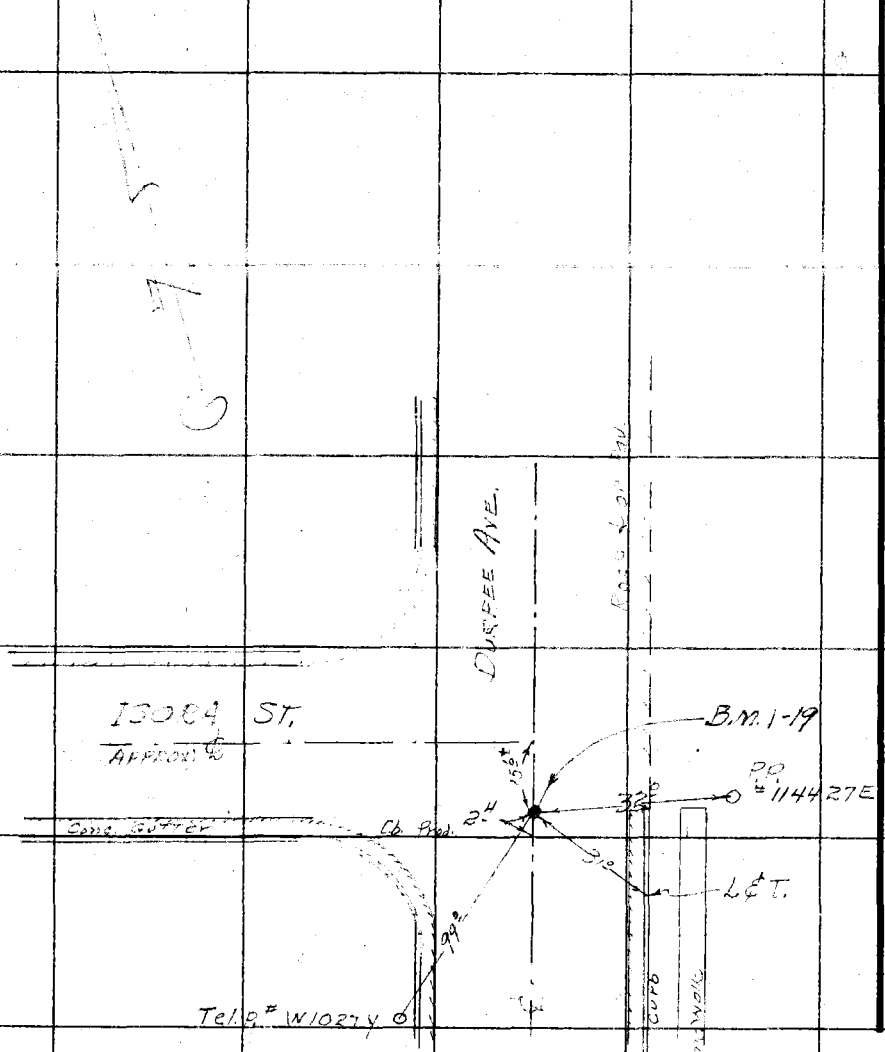
F. B. 1202 PG. 24

B.M. 1-19

DURFEE AVE. & ISORA ST., A STANDARD L.A. COUNTY ROAD DEPT. MONUMENT MARKED CO. L.A. ROAD, SET IN CONCRETE 7" BELOW THE SURFACE, ON THE CENTER LINE OF DURFEE AVE AND 15.6± FT. SLY. OF THE CENTER LINE OF ISORA ST., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED L.A. COUNTY ROAD DEPT.

L.A.Co 1952 Adj.: 192.672

for New Description 300 FB 3702 73



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4023 Tape No. St'd. °F
Office Work	Surveyed by H. E. NAUMANN
Checked	Notes G. E. DREIER Date JUNE '51
Date	Indexed A. C. Johnson

F. B. 1202 PG. 25

B.M. 1-20 (EL MONTE D-10)

IN L.A.CO. BETWEEN THE RIO HONDO AND THE SAN GABRIEL RIVERS IN WHAT IS KNOWN AS THE WHITTIER NARROWS AREA, ON DURFEE AVE. AT KRUSE ROAD ABOUT 1¼ MILES NORTH OF THE U.P.R.R. AT PICO.

STATION MARK: SET A STANDARD 4" BRASS TABLET IN CONCRETE 18" BELOW STREET GRADE INSCRIBED "L.A.CO. SURV. CONT. SYS. TRIANG. STA. EL MONTE D-10, 1949 AND SET BY COUNTY SURVEYOR, RE 329"

REFERENCE - F.B. 931-175, 176

L.A. Co. 1952 Adj: 192.832

W.N. #3 (1-20 A -

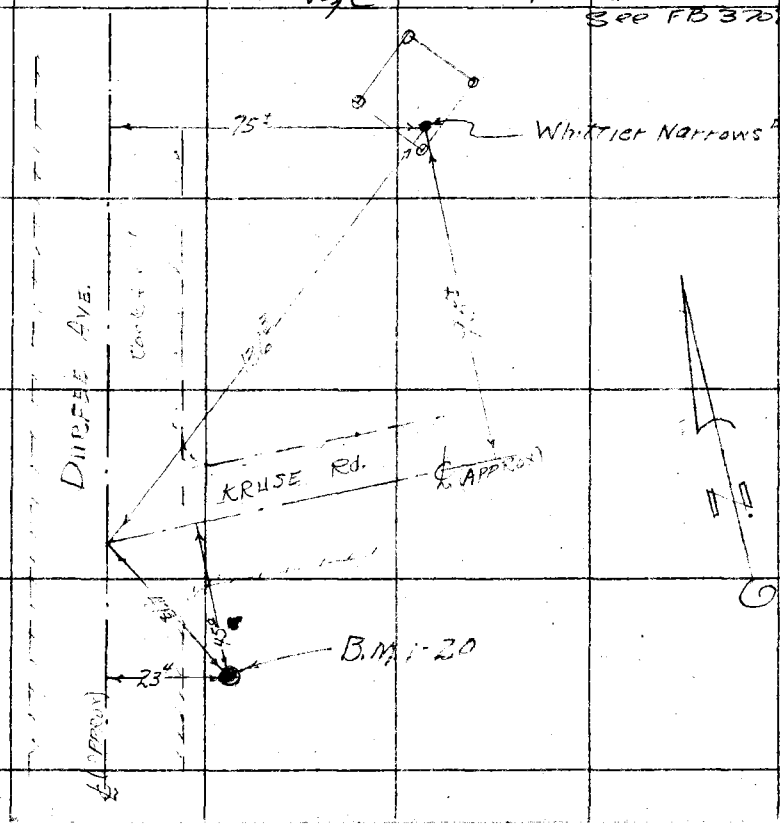
75'± EAST OF CENTER LINE DURFEE AVE., 95'± NORTH OF KRUSE ROAD, UNDER S.W. LEG OF B.P.&L. TRANSMISSION LINE TOWER #253-D-4, A STANDARD BRASS DISC SET IN CONCRETE POST

1-20 Not Recovered on 11-9-65 W. Voge

L.A. Co. 1952 Adj.: 195.132

for description to BM1-20A

See FB 3707-75 11-4-65 W. Voge



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

76F309S 247 10M 1-49

F. B. 1202 Pg. 26

B.M. 1-21 (EL MONTE E-9)

IN L.A. Co. BETWEEN THE RIO HONDO AND THE SAN GABREIL RIVERS IN WHAT IS KNOWN AS THE WHITTIER NARROWS AREA, NEAR THE INTERSECTION OF DURFEE AVE AND SIPHON ROAD Not Recovered on 11-4-65 W. Voge

STATION MARK: SET A STANDARD 4" BRASS TABLET IN CONCRETE 18" BELOW GROUND SURFACE INSCRIBED:- L.A. Co. SURV. CONT. SYS.- TRIANG. STA. EL MONTE E-9-1949 AND SET BY COUNTY SURVEYOR RE. 329

REFERENCE F.B. 931-173,174

L.A. Co. 1952 Adj. = 207.260

NOT RECOVERED 5-14-61 W.H.

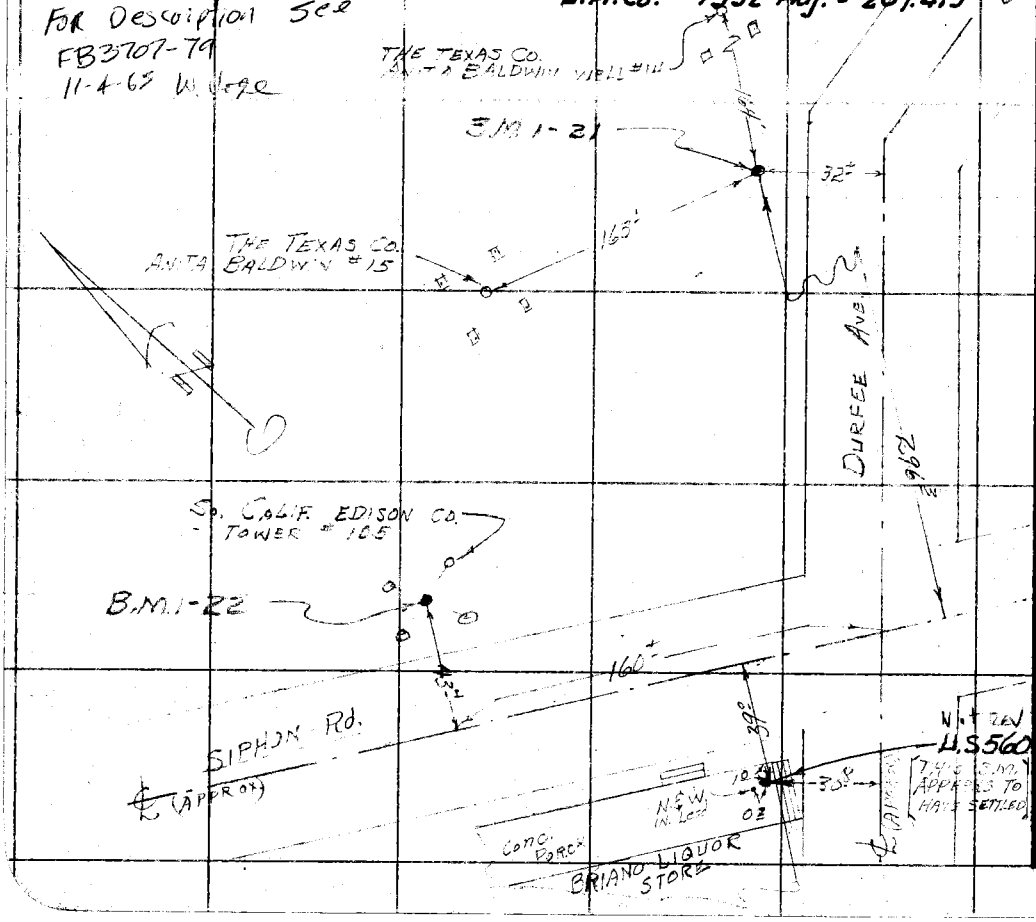
U.S. 560 RIO HONDO, AT S.W. COR. OF CROSSROADS, IN N.E. COR. CONCRETE FOUNDATION OF PIUMA AND BRIANO'S STORE; CHISELED SQUARE, MARKED "U.S.B.M. 210.2" 210.27

L.A. Co. 1952 Adj = 209.491

B.M. 1-22 (U.S. 561) RIO HONDO, 15 OFT. W. OF CROSSROADS, ON N. SIDE OF SAN GABRIEL BLVD. UNDER CENTER OF STREET TOWER OF POWER LINE, IN CONCRETE POST; BRONZE TABLET STAMPED "A-15-1922" 208.215 SHT. 37

L.A. Co. 1952 Adj. = 207.419

FOR Description See FB3707-79 11-4-65 W. Voge



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. F. Naumann
Checked	Notes H. F. Naumann Date June 5
Date	Indexed R. C. Johnson

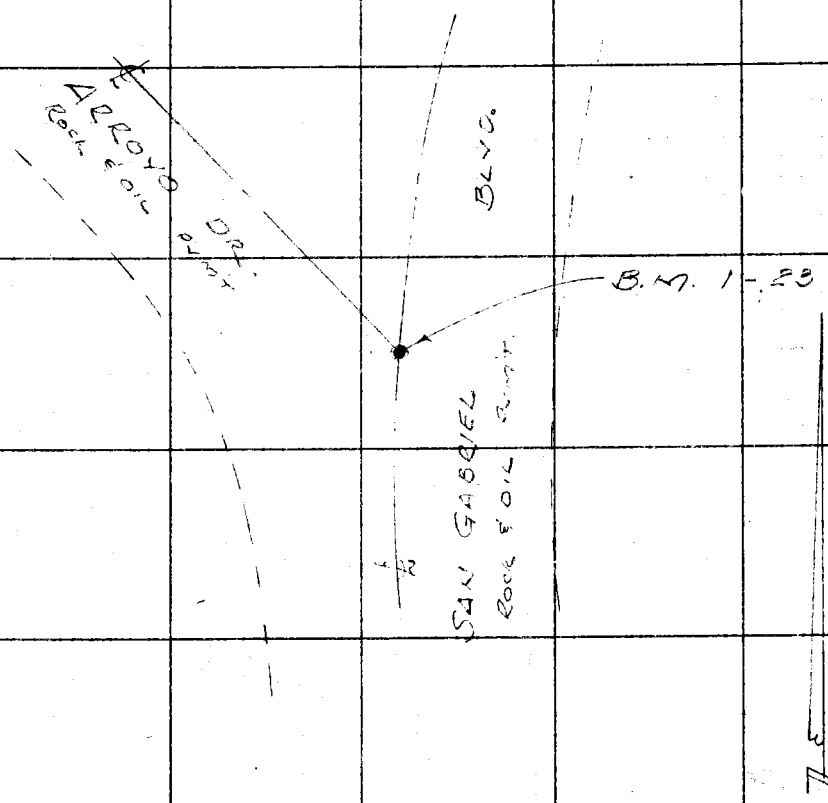
F. B. 1202 PG. 27

B.M. 1-23

SAN GABRIEL BLVD. & ARROYO DR., CENTER LINE INTERSECTION. A STANDARD COUNTY SURVEYOR MONUMENT SET IN CONCRETE, 15" 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. 234.375

for description
See FB 3707-83
11-4-65
W. Voge



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

76F309S 247 10M 5-49

F. B. 1202 PG. 28

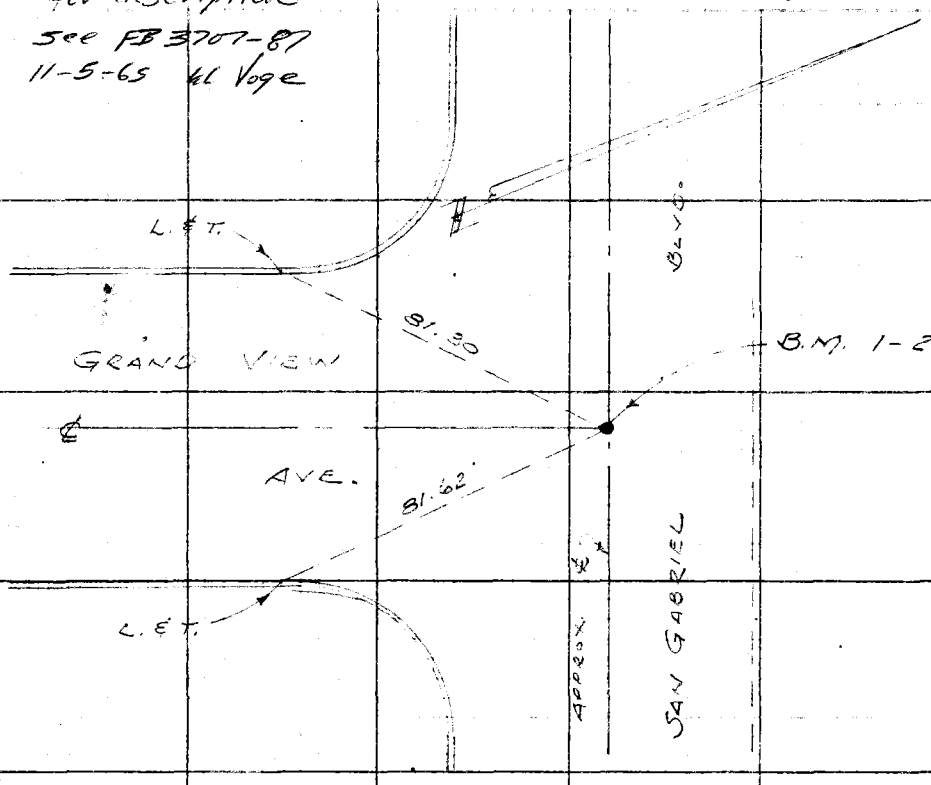
B.M. 1-24 (EL MONTE 8-7)

THIS STATION IS IN THE POTRERO HEIGHTS DISTRICT OF LOS ANGELES COUNTY, AT THE INTERSECTION OF THE APPROIMATE CENTERLINES OF SAN GABRIEL BLVD. AND GRAND VIEW AVE., IN A WELL CUT THROUGH THE PAVEMENT, AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT" STATION MARK: A STAND 4" INCH BRASS TABLET INSCRIBED "L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION, EL MONTE 8-7 R.E. 2177 SET BY COUNTY SURVEYOR 1938." WAS SET IN CONCRETE 6 INCHES BELOW THE PAVEMENT SURFACE.

REF. F.B. 524-219, 225

L.A. Co. 1952 Adj.: 341.063

for description
see FB 3707-87
11-5-65 HL Voge



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

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Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H.F. NAUMANN
Checked	Notes G.E. PREIER Date JUNE '51
Date	Indexed [illegible]

F. B. 1202 PG. 29

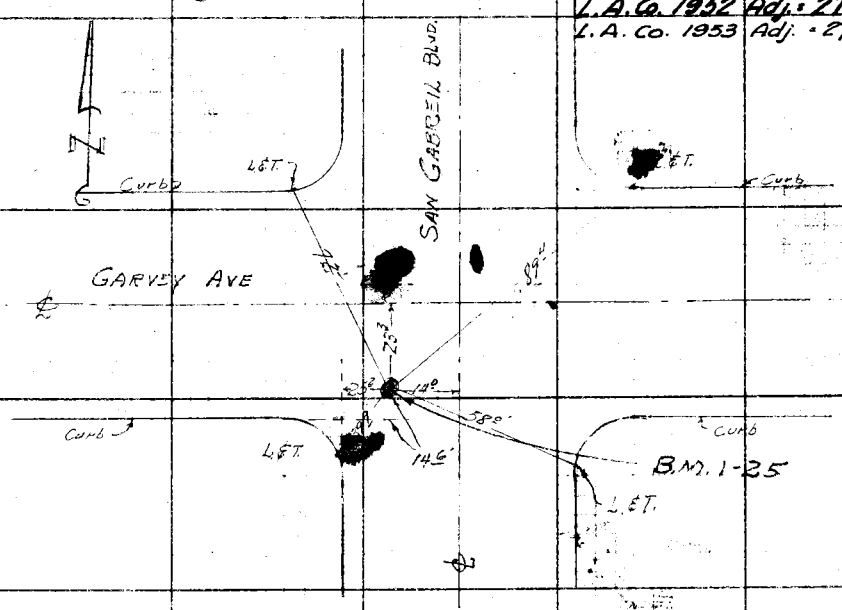
B.M. 1-25 (EL MONTE B-5)

THIS STATION IS IN LOS ANGELES COUNTY, IN THE INTERSECTION OF GARVEY AVE. AND SAN GABRIEL BLVD., 14.6 FT. NORTHERLY FROM THE EASTERLY PROLONGATION OF THE SOUTH CURB LINE OF GARVEY AVE., AND 25.3 FT EASTERLY FROM THE NORTHERLY PROLONGATION OF THE WEST CURB LINE OF SAN GABRIEL BLVD., 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 EL MONTE B-5 RE 2177 SET BY COUNTY SURVEYOR 1940," WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF STREET.

REF. 926-[illegible]/162.

L.A.Co. 1952 Adj. = 271.710 ✓
L.A. Co. 1953 Adj. = 271.703 ✓



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

76F309S 247 10M 1-49

F. B. 1202 PG. 30

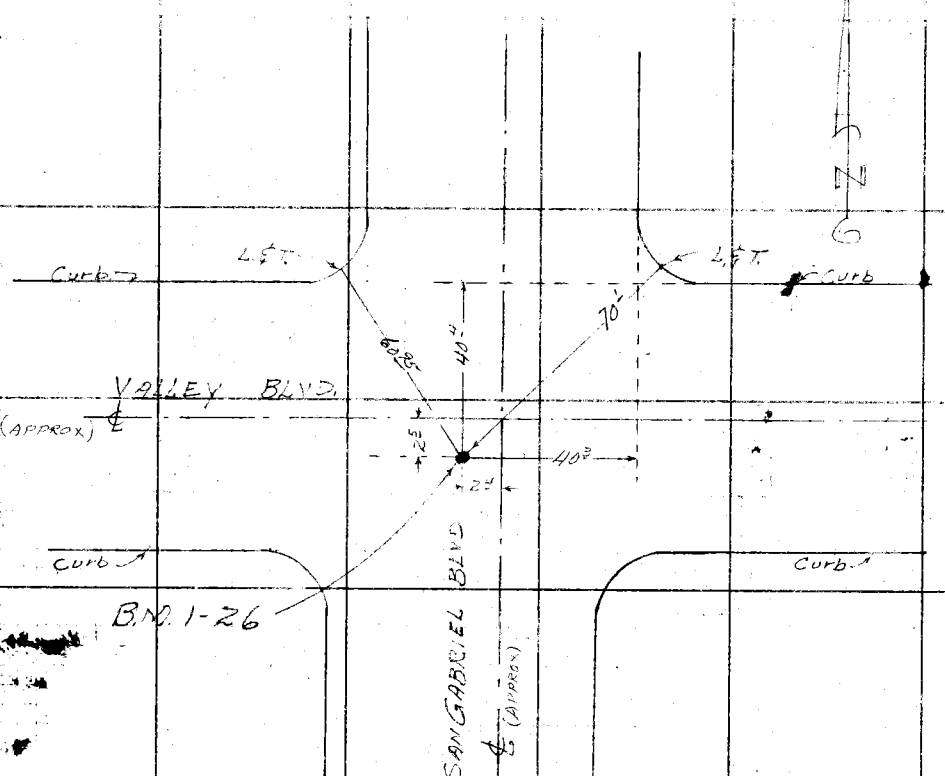
B.M. 1-26 (EL MONTE 3-3)

THIS STATION IS IN THE CITY OF SAN GABRIEL IN THE INTERSECTION OF SAN GABRIEL, AND VALLEY BLVDS., 40.3 FT WESTERLY FROM THE SOUTHERLY PROLONGATION OF THE EAST CURB LINE OF SAN GABRIEL BLVD, AND 40.4 FT SOUTHERLY FROM THE NORTHERLY CURB LINE OF VALLEY BLVD. 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 EL MONTE 3-3 R.E. 2177 SET BY COUNTY SURVEYOR 1940, WAS SET IN CONCRETE, 2" BELOW THE SUBGRADE OF STREET.

REFERENCE: F.B. 926-157, 158

L.A. Co. 1952 Adj. = 325.480 ✓
L.A. Co. 1953 Adj = 325.432 ✓



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

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Map No.	W. O. 4923 Tape No. ___ St'd. ___ °F
Office Work	Surveyed by H. F. NAUMANN
Checked	Notes G. E. DREIER Date JUNE '51
Date	Indexed A. C. Johnson

F. B. 1202 PG. 31

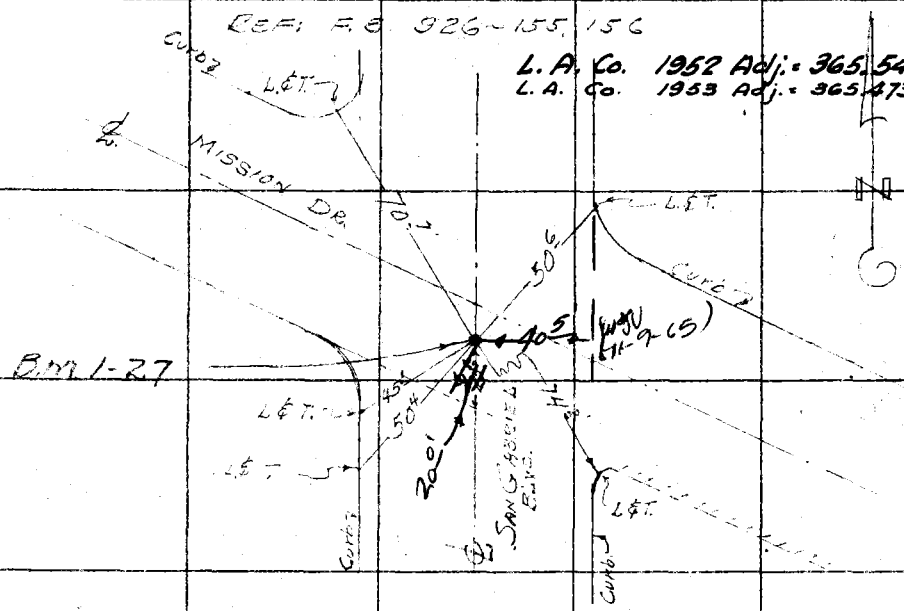
B.M. 1-27 (EL MONTE B-2)

THIS STATION IS LOCATED IN THE CITY OF SAN GABRIEL, IN THE INTERSECTION OF SAN GABRIEL BLVD. AND MISSION ~~RD.~~ DR. ~~21.1~~ 20.0 FEET NORTHERLY FROM THE EASTERLY PROLONGATION OF THE SOUTH CURB LINE OF MISSION RD. 40.5 W. of E. Curb line of San Gabriel Blvd. AND 3.03 FEET SOUTHERLY FROM A CUT SPIKE WASHER AND TIN AT THE APPROXIMATE INTERSECTION OF THE CENTER LINES OF MISSION ~~RD.~~ DR. AND SAN GABRIEL BLVD., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

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

REF: F.B. 926-155, 156

L.A. Co. 1952 Adj. = 365.546 ✓
L.A. Co. 1953 Adj. = 365.473 ✓



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

76F309S 247 10M 1-49

F. B. 1202 PG. 32

B.M. 1-28 (U.S. 2638.) (58-14) (LAC. F.C.D.)

SAN GABRIEL, ~~0.9 MILES~~ (1030±') E. OF, ON

TOP OF S.W. COR. OF CONCRETE ABUTMENT OF

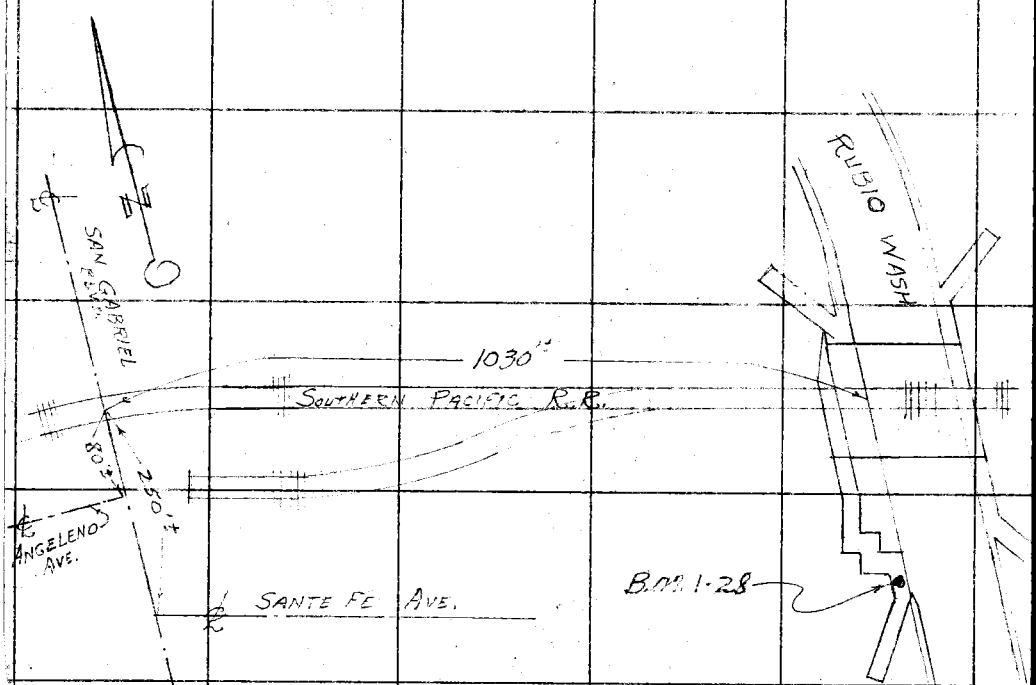
SOUTHERN PACIFIC R.R. BRIDGE #491 D, OVER

RUBIO WASH; 3 1/2" BRONZE TABLET (F.L. CONT. 58-14)

U.S.C. + G.S. 1946 Adj. = 389.592

L.A. Co. 1952 Adj. = 389.592

L.A. Co. 1953 Adj. = 389.517



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H F NAUMANN
Checked	Notes G. F. DREIEN Date JUNE '51
Date	Indexed C. Johnson

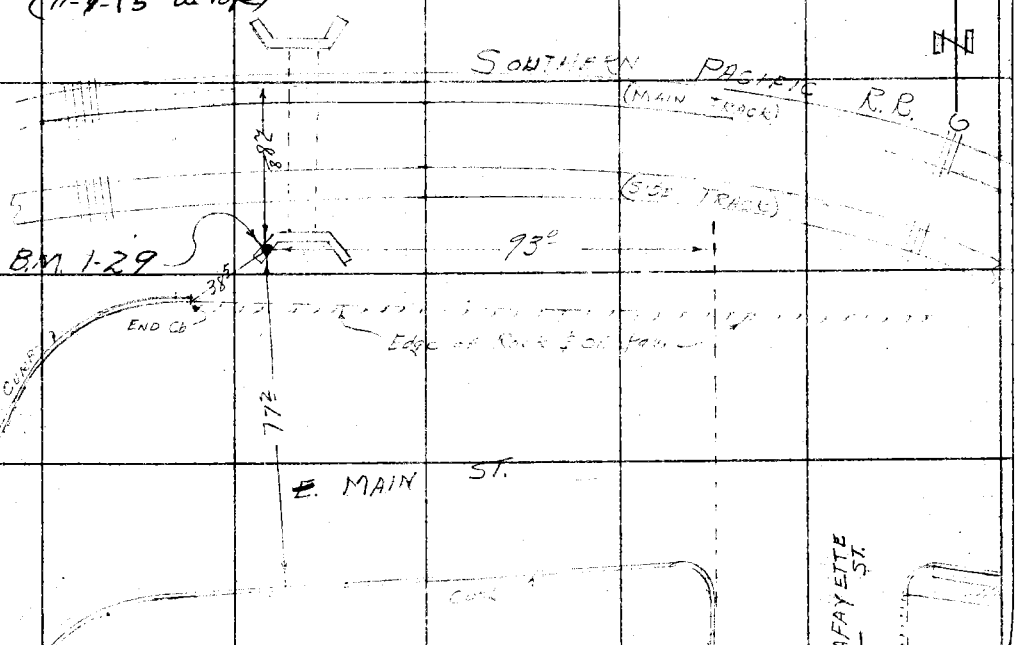
F. B. 1202 PG. 33

B.M. 1-29 (U.S. 4009) (Z 769)

AT SAN GABRIEL, L.A. CO. ON THE S.P.R.R. NEAR THE INTERSECTION OF E. MAIN AND LAFAYETTE ST.S., 93' W ALONG TRACK FROM THE LINE OF THE W. CURB OF LAFAYETTE ST., 77.2' N. OF THE S. CURB OF MAIN ST., AT CULVERT 490.93, IN THE TOP OF THE SOUTH CONCRETE HEADWALL, 1.8 E. OF THE WEST END, 28.8' S. OF THE ℄ OF THE MAIN TRACK, AND ABOUT 2' LOWER THAN THE TOP OF THE RAIL. A STANDARD DISK, STAMPED "Z 769 1945"

U.S.C.&G.S. 1946 Adj. = 407.919 ✓
L.A. Co. 1952 Adj. = 407.925 ✓
L.A. Co. 1953 Adj = 407.860 ✓

for description
See FB 3707-105
(11-9-(5 in tape)



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

76F3098 247 10M 1-49

F. B. 1202 PG. 34

DESTROYED 5-12-61 [illegible]
B.M. 1-30 (U.S. 4010) (A 770)

AT SAN GABRIEL, L.A. CO., AT THE SOUTHERN PACIFIC CO. R.R. STATION, 54' FEET N. OF THE CENTER LINE OF THE MAIN TRACK, AT THE N.W. COR. OF THE STA. BUILDING, 1 FOOT W OF THE W. WALL, AND 2.6 FEET S. OF THE LINE OF THE NORTH WALL. A STD DISK, STAMPED "A 770 1945" AND SET IN TOP OF A CONCRETE POST, PROJECTING ABOUT 3 INCHES ABOVE THE GROUND.

U.S.C.&G.S. 1946 Adj. = 415.925
L.A. Co. 1952 Adj. = 415.761
L.A. Co. 1953 Adj. = 415.708

RETURN TO
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726 LOS ANGELES COUNTY
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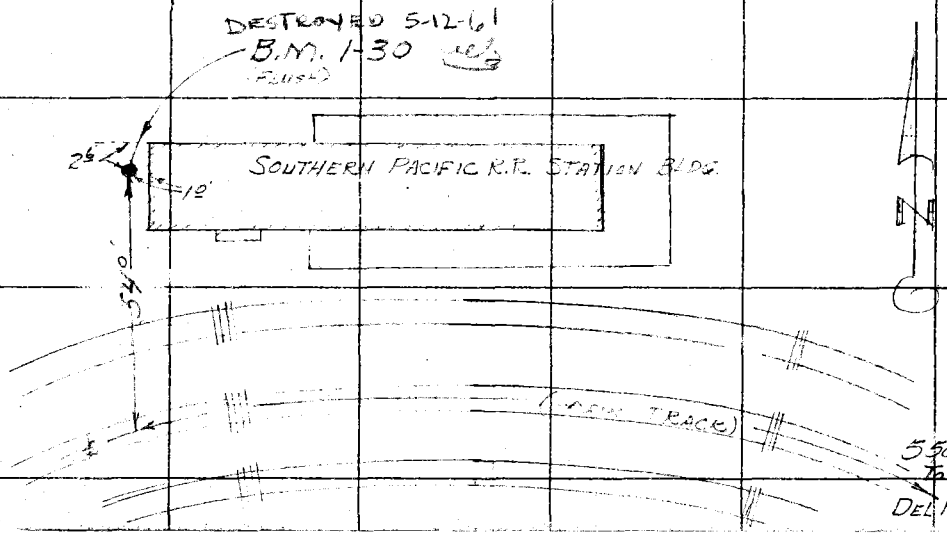
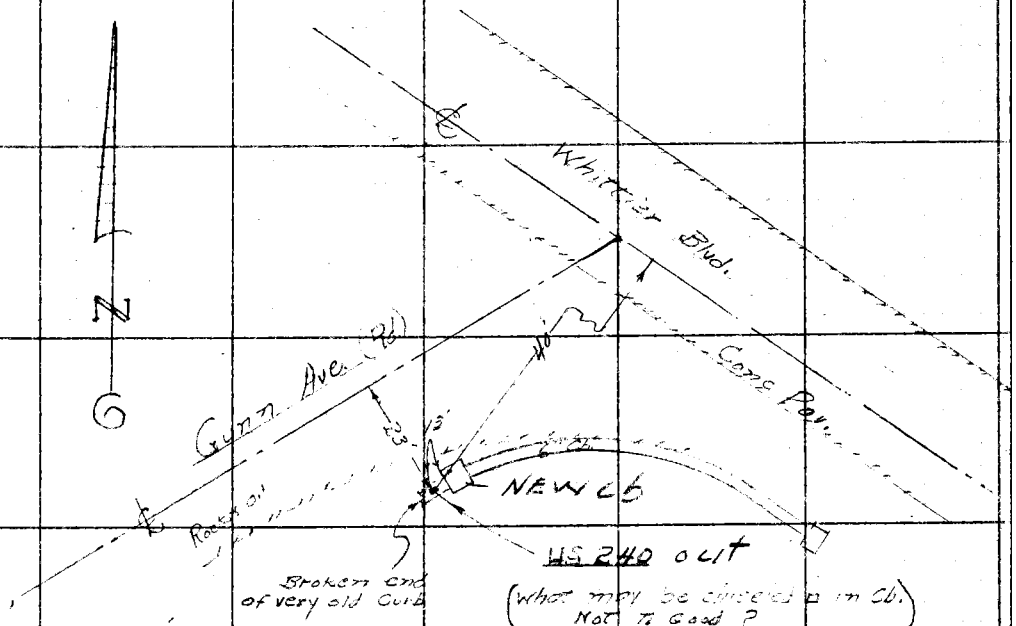


Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. E. NAUMANN
Checked	Notes G. E. DREIER Date JUNE 51
Date	Indexed [illegible] Johnson

F. B. 12013 PG. 35

U.S. 240 out 5/11/61

Whittier, 1.8 Mi S.E. of, at S.E. Cor. of Whittier Blvd. and Gunn Rd., in Curb at telephone pole, Chiseled Square, Marked U.S.B.M. 265.9'. Wall Sht. 34.



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

76F3095 247 10M 5-49

F. B. 1202 PG. 36

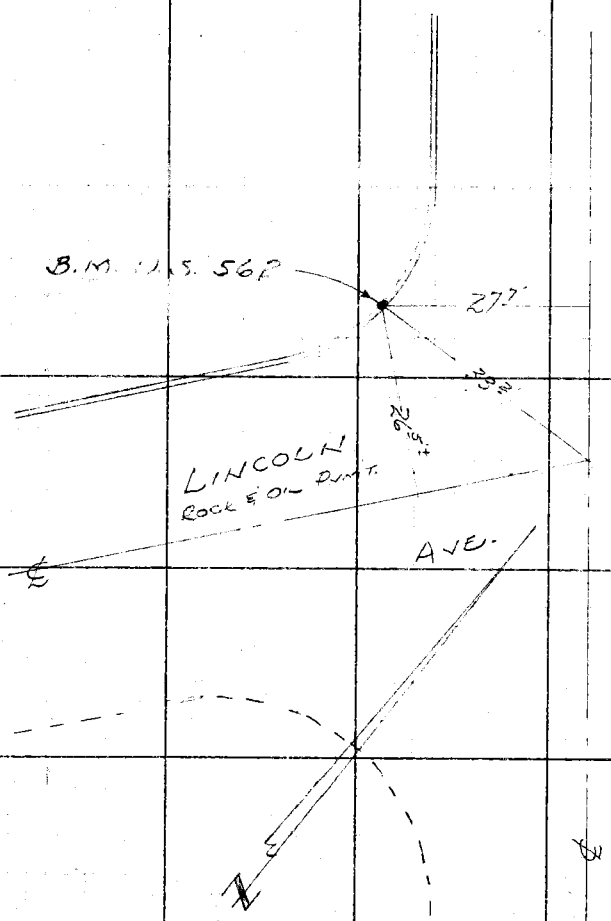
1-22C

U.S. 562

RIO HONDO, 0.5 MILES W OF, ON W. SIDE OF SAN GABRIEL BLVD, DIRECTLY IN FRONT OF MONUMENT TO JOSEPH L. KAUFMAN, IN CB, CHISELED SQUARE, MARKED "U.S.B.M. 218.6" 218.62 SHT. 36

L.A. Co. 1952 Adj. = ~~209.491~~ 217.652

Not Recovered on 11-4-65
see FB 3707-81 for
1-22A w. log



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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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 W. D. BAY Weather ..... Inst. No. .....
Notes by W. D. B. Time ..... Rod No. .....

Name GEODETIC CONTROL
Job No. 0301.00
From B.M. 1-16 To R.M.s 1, 3 & 4
Date SEPT. 19, 1957
Indexed A. C. Jones SEP 22 57

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
	TRANSFER OF ELEVATION FROM B.M. 1-16 to R.M.s 1, 3, & 4.									See pg. 21
B.M.	1st RUN	DIFF.	2nd RUN	3rd RUN		Elev.				
		182.823								
1-16	6.489		6.371			176.334				B.M. 1-16
		+0.406	+0.408							SEE F.B. 1202-71
	6.083		5.963							FOR DESCRIPTION
R.M. #1	5.803		5.872			176.740				R.M. #1
		+1.131	+1.133							SEE F.B. 929-51, 152
	4.672		4.739							FOR DESCRIPTION
R.M. #4	4.468		4.393			177.871				R.M. #4
		-0.462	-0.462							SEE F.B. 929-51, 152
	4.930		4.855							FOR DESCRIPTION
R.M. #3	4.116		4.208			177.409				R.M. #3
		-1.073	-1.074							SEE F.B. 929-51, 152
	5.189		5.282							FOR DESCRIPTION
1-16						176.336				B.M. 1-16
										SEE ABOVE

F.B. 1202 PG. 37

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 H.F.N. Time 1:00 PM TO 4:00 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From B.M. 1-1 To 1-3
Date JUNE 14 1951
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
	4.167		625			5.180		625		
	3.542		622			4.555		630		B.M. 1-1
	2.920		1247			3.925		1255		SEE F.B. 1202-6
1.	10.629	3.513		124.7		13.660	4.553		125.5	FOR DESCRIPTION
	8.290		930			6.538		963		
	7.360		930			5.575		963		
	6.430		1860			4.612		1926		
2	22.080	7.360		310.7		16.725	5.575		318.1	
	6.208		705			6.268		705		
	5.503		705			5.563		704		
	4.798		1410			4.859		1409		
3	16.509	5.503		451.7		16.690	5.563		459.0	
	6.079		612			5.366		612		
	5.437		644			4.752		613		
	4.793		1285			4.139		1227		
4	16.309	5.436		580.3		14.257	4.752		581.7	
	5.967		633			5.388		620		
	5.334		632			4.768		616		
	4.702		1265			4.152		1236		
5	16.003	5.334		706.8		14.308	4.769		705.3	
		27.176					25.218			

F.B. 1202 PG. 38

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 H.F.N. Time 1:00 P.M. TO 4:00 P.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-1 To B.M. 1-3
Date JUNE 4 1951
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
	6200	27.176	648	706.8		3872	25.218	680	705.3	
	5552		649			3192		683		
	4903		1297			2509		1363		
6	16655	5552		836.5		9573	3191		841.6	
	4993		503			4720		498		
	4490		500			4222		493		
	3990		1003			3729		991		
7	13.473	4491		936.8		12671	4224		940.7	
	5610		391			4531		386		
	5219		394			4145		387		B.M. 1-2
	4825		785			3758		773		SEE F.B. 1202-7
8	15654	5218		1015.3		12434	4145		1018.0	FOR DESCRIPTION
	6009		553			5330		559		
	5456		554			4771		560		
	4902		1107			4211		1119		
9	16367	5456		1126.0		14312	4771		1129.5	
	5832		626			4843		634		
	5206		628			4209		634		
	4578		1254			3575		1268		
10	15616	5205		1251.4		12627	4209		1256.7	
		53098					45753			

F.B. 1202 PG. 29

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 H.F.N. Time 1:00 PM TO 4:00 PM Rod No. 7 & 8

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-1 To B.M. 1-3
Date JUNE 14, 1951
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
	6107	53.098	504	1251.4		5115	45.155	486	1256.7	
	5603		502			4629		488		
	5101		1006			4141		974		
11	16811	5604		13520		13885	4628		1354.1	
	5989		471			6421		478		
	5518		473			5943		475		B.M. 1-3
	5045		944			5468		953		SEE F.B. 1202-3
12	16552	5517		1446.4		17832	5944		1419.4	FOR DESCRIPTION
										SUMMATION OF RUN
		64.219		1446.4			56.325		1419.4	B.M. 1-1 TO B.M. 1-3
F.B. 1202 PG. 40										TOTAL BACKSIGHTS = + 64.219
										" FORESIGHTS = - 56.325
										DIFF. IN ELEVATION = + 7.894
		64.219					56.325			

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 H.F.N Time 12:00 PM TO 4:00 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL Nº
Job No. 4923
From B.M. 1-3 To B.M. 1-1
Date JUNE 14, 1951
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
	6478		478			6046		471		B.M. 1-3
	6000		477			5575		473		SEE F.B. 1202
	5523		955			5102		944		FOR DESCRIPTION
1.	18001	6000		95.5		16.723	5571		94.4	
	5220		488			6204		502		
	4732		484			5702		502		
	4248		972			5200		1004		
2	14200	4733		192.7		17.106	5702		194.8	
	5143		630			6142		632		
	4513		631			5510		631		
	3282		1261			4879		1263		
3.	13538	4513		318.8		16531	5510		321.1	
	5317		562			5988		551		B.M. 1-2
	4755		561			5437		549		SEE F.B. 1202
	4194		1123			4888		1100		FOR DESCRIPTION
4	14266	4755		431.1		16.313	5438		431.1	
	4152		400			5504		380		
	4052		400			5124		381		
	3652		800			4743		761		
5	12156	4052		511.1		15.371	5124		507.2	
		21.053					27.348			

F.B. 1202 PG. 11

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 H.F.N. Time 1:00 PM TO 4:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-3 To B.M. 1-1
Date JUNE 14, 1951
Indexed H. 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
	4712	24053	644	511.1		6421	27348	651	507.2	
	4068		644			5770		649		
	3421		1288			5121		1300		
6	12204	4068		639.9		17312	5771		637.2	
	5097		632			6134		619		
	4463		632			5515		617		
	3829		1264			4898		1236		
7	13389	4463		766.7		16547	5516		760.8	
	5316		624			5789		626		
	4692		628			5163		626		
	4064		1252			4537		1252		
8	14072	4691		891.9		15489	5163		886.0	
	5323		627			5947		622		
	4696		628			5325		621		
	4068		1255			4704		1243		
9	14087	4696		1017.1		15976	5325		1010.3	
	6488		732			5847		769		
	5756		734			5078		771		
	5022		1466			4307		1540		
10	17266	5755		1164.0		15232	5077		1162.3	
		47726					52390			

F.B. 1202 PG. 42

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 H. F. N. Time 1:00 P.M. TO 4:00 P.M. Rod No. 7 & 8

Name L. A. Co. Precise Level Nit
Job No. 4923
From B.M. 1-3 To B.M. 1-1
Date JUNE 14 1951
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
	5120	47726	622	1164.0		7067	54.200	621	1164.3	
	4498		626			6446		623		
	3872		1248			5823		1244		
11	13490	4497		1288.8		19336	6445		1288.7	
	5840		803			5281		782		B.M. 1-1
	5037		804			4499		785		SEE F.B. 1202
	4233		1607			3714		1567		FOR DESCRIPTION
12	15.110	5037		1449.5		13494	4498		1445.4	
										SUMMATION OF RUN B.M. 1-3 TO 1-1
										TOTAL BACKSIGHTS = 57.260
										" FORESIGHTS = 65.143
										DIFF IN ELEVATION = 7.883
		57260					65.143			

F.B. 1202 PG. 43

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 OVERCAST Inst. No. 500.10
Notes by H.F.N. Time 11:00 AM TO 12:00 AM Rod No. 768

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From B.M. 1-3 To B.M. 1-2
Date JUNE 15 1951
Indexed A. G. 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
	6738		678			6133		685		
	5160		677			5448		686		B.M. 1-3
	4783		1355			4762		1371		SEE F.B. 1202-8
1	16381	5460		1355		16343	5448		1371	FOR DESCRIPTION
	5081		630			6282		627		
	4251		630			5655		628		
	3821		1260			5027		1255		
2.	13353	4451		2615		16964	5655		2226	
	5260		802			6359		870		
	4458		803			5489		868		B.M. 1-2
	3655		1605			4621		1738		SEE F.B. 1202-7
3.	13373	4456		4220		16469	5490		4364	FOR DESCRIPTION
F.B. 1202 PG. 44										
4										SUMMATION OF RUN BET B.M. 1-3 TO 1-2
										TOTAL BACKSIGHTS + 14.369
										" FORESIGHTS - 16.593
										DIFF. IN ELEVATION - 2.224
		14369					16593			

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 2:45-4:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Level No.
Job No. 4923
From [illegible] To [illegible]
Date JULY 3, 1951
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	5450 4769 4088 14307	4769	681 681 1362	136.2	#7 82°	[illegible] 5743 5103 17229	5743	640 640 1280	128.0	BM 1-1 SEE F.B. 1200-6 FOR DESCRIPTION
2	[illegible] [illegible] 5683 18871	6290	608 607 1215	2577		5362 4761 4160 14283	4761	601 601 1202	2482	
3	[illegible] 5760 5[illegible] 17280	5760	668 671 1339	3916		5558 4890 4225 14673	4891	668 665 1333	3815	
4	4993 4358 3722 13073	4358	635 636 1271	5187		5492 4827 4159 14478	4826	665 668 1333	5148	
5	6099 5450 4801 16350	5450	649 649 1298	6485		5948 4793 4040 14381	4794	655 653 1308	6456	
		26.627					25015			

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

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 2:45-4:00 PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NO. 7
Job No. 4928
From BM 1-1 To BM 1-3
Date JULY 3, 1951
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	6143 5492 4[illegible] 16475	26.62 5.492	656 652 1308	6485 776.8		5248 4592 3937 13777	[illegible] 4[illegible]93	656 653 1309	6456 776.5	
7	6395 5757 5[illegible] 17252	5.751	644 645 1289	9075		4962 4305 3648 12915	[illegible]	657 657 1314	909.9	
8	6107 5535 4961 16603	5.534	572 574 1146	10223		4377 [illegible]3 [illegible] [illegible]	38[illegible]3	575 575 1150	1022.9	
		43.404					37.736			BM 1-2 SEE F.B. 1202-7 FOR DESCRIPTION
9	6110 5452 4791 16353	5.451 48.855	658 661 1319	11545		5301 4648 3991 13940	46.47 42.323	653 657 1310	1153.9	

F.B. 1202 PG. 46

FORM 379 5M 7-40

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Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50410
Notes by S. SHINODA Time 2:45 - 4:00 P.M. Rod No. 7 & 8

Name L.A. Co. Process & Vol. Mgt.
Job No. 4902
From S.M. 1-1 To S.M. 1-3
Date JULY 3, 1951
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
11	6244 4885 ✓		656	1541		5323 3328 ✓		2000	1559	
	5588		254			4047		253		
	4909		1310 ✓			3794		1306 ✓		COMPUTATION ON BOOK
	2431 5644 ✓			2255		1364 1 ✓	2027 ✓		1645	B.M. 1-1 TO 1-
12	6075		404			5241		421		
	5651		424			4820		421		TOTAL BACKSIGHTS 5573 ✓
	5227		248 ✓	700		4399		243 ✓		FORESIGHTS 3713 ✓
	1 2 3 1 5651 ✓			1352		1 4 5 9 ✓ 4820 ✓			1368 ✓	1860 ✓
13	6018		531			6511		424		
	5589		430			6087		427		B.M. 1-3
	5159		260 ✓	60		5660		75 ✓		SEE F.B. 1202-8
	2767 ✓ 5589 ✓			1560	13°	12258 ✓ 6086 ✓			1833.9 ✓	FOR DESCRIPTION
	65.729 ✓					57.836 ✓				

F.B. PG. 47

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. 1202 PG. 48

FORM 379 5M 7-40

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

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-3 To [illegible]
Date JULY 5, 1951
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	6547 6114 5681 18342 ✓	[illegible] ✓	433 433 866 ✓	86.6 ✓	#7 [illegible]	[illegible] 5617 5181 16852 ✓	5617 ✓	425 [illegible] 852 ✓	85.2 ✓	BM 1-3 SEE F.B. 120 [illegible] FOR DESCRIPTION
2	5174 4709 4243 14126 ✓	4709 ✓	465 466 931 ✓	1797 ✓		5954 5549 5123 16617 ✓	5.5[illegible] ✓	414 417 [illegible] ✓	1685 ✓	
3	5230 4579 3926 13735 ✓	4.57[illegible] ✓	651 653 1304 ✓	3101 ✓		6324 5670 5013 17007 ✓	5.669 ✓	654 657 1311 ✓	2994 ✓	
4	[illegible] 4799 4[illegible] 14397 ✓	4[illegible] ✓	631 631 1262 ✓	4363 ✓		6281 5549 4[illegible] 16798 ✓	5.599 ✓	682 681 1363 ✓	4357 ✓	
										BM 1-2 SEE F.B. [illegible] FOR DESCRIPTION

20,200 ✓ 22,424 ✓

F.B. [illegible] PG. 49

FORM 379 5M 7-40

PLEASE RETURN TO
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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 8:15-10:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-3 To BM 1-1
Date JULY 5, 19[illegible]
Indexed [illegible] 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
5.	4363 3782 3200 11345	20.200 ✓ 3.782 ✓	581 582 1163 ✓	4355 ✓ 5503 ✓		6067 5494 4921 [illegible]	[illegible] ✓	573 573 1146 ✓	4357 ✓ 5503 ✓	
6.	4973 4315 3657 [illegible]	[illegible] ✓ 4.315 ✓	658 658 1316 ✓	[illegible] ✓		[illegible] [illegible] [illegible] [illegible]	[illegible] ✓	641 641 1282 ✓	6785 ✓	
7.	5278 4639 4001 13918	4.639 ✓	639 638 1277 ✓	[illegible] ✓		6206 5538 4869 16613	[illegible] ✓	668 669 1337 ✓	8122 ✓	
F.B. 1202 PG. 50 8.	5360 4710 4059 14129	4.710 ✓	650 651 1301 ✓	9420 ✓		6022 5370 4721 16113	5.371 ✓	652 649 1301 ✓	9423 ✓	
9.	5425 4775 4125 14325	4.775 ✓	650 650 1300 ✓	10720 ✓		4961 4309 3659 12929	[illegible] ✓	652 650 1302 ✓	10725 ✓	
		± 42.1 ✓					48.399 ✓			

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 8:15-10:15 AM Rod No. 7 & 3

Name L. A. Co. PRECISE [illegible]
Job No. 4903
From BM 1-3 To B[illegible]
Date JULY 5, 1951
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	5579 [illegible] 4150 14[illegible]	4.421 ✓ [illegible] ✓	687 [illegible] 1372 ✓	1072.0 ✓ 1209.9 ✓		5361 5709 5056 17126 ✓	48899 ✓ 5.709 ✓	652 653 1305 ✓	1072.5 ✓ 1203.0 ✓	WEATHER CLEAR [illegible]
11	5230 4621 4021 13878 ✓	4.626 ✓	603 606 1209 ✓	1308 ✓		6762 6157 5550 18469 ✓	6.156 ✓	605 607 1212 ✓	1324.2 ✓	
12	6418 5765 5110 17293 ✓	5.764 ✓	653 655 1308 ✓	1461.6 ✓	74[illegible]	5458 4789 4120 14367 ✓	4.789 ✓	669 669 1338 ✓	1458.0 ✓	BM 1-1 SEE F.B. [illegible] FOR DESCRIPTION
										SUMMATION OF [illegible] BM 1-3 TO B[illegible] 1-1
										TOTAL BACKSIGHTS + [illegible] " FORESIGHTS + [illegible] DIFF. IN ELEVATION + 7.902
		57.651 ✓					65.553 ✓			

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. 202 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 11:15-1:30 PM Rod No. 7 & 8

Name LA Co PRECISE LEVEL NET
Job No. 4923
From BM 1-1 To B 1-3
Date JULY 5, 1951
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	5447 4771 4096 14314	4771	676 675 1351	135.1	78°	6393 5747 5099 17239	5746	646 648 1294	129.4	BM 1-1 SEE F.B. 1202 6 FOR DESCRIPTION
2	6899 6294 5688 18881	6294	605 606 1211	256.2		5367 4766 4163 14296	4765	601 603 1204	249.8	
3	6332 5681 5027 17040	5680	651 654 1305	386.7		5506 4813 4123 14442	4814	693 690 1383	388.1	
4	4990 4336 3678 13004	4335	654 658 1312	517.9		5447 4800 4153 14400	4800	647 647 1294	517.5	
5	6009 5361 4711 16081	5360	648 650 1298	647.7		5354 4702 4052 14108	4703	652 650 1302	647.7	
		26440					24828			

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 11:15 - 1:30 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-1 To BM 1-3
Date July 5, 1951
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
6	6152 5496 4138 16486	26.440 5495	656 658 1314	647.7 7791		5248 4602 3952 13802	24.828 4601	646 650 1296	647.7 7773	
7	6322 5677 5030 17029	5676	645 647 1292	9083		4884 4228 3573 12685	4228	656 655 1311	908.4	
8	6662 6058 5452 18172	6.057 43.668	604 606 1210	10293	80°	4966 4344 3726 13036	4345 37.002	622 618 1240	10324	1 HOUR OUT TO LUNCH
					80°					BM 1-2 SEE F.B 1202-7 FOR DESCRIPTION
9	6240 5570 4900 16710	5570 49.238	670 670 1340	11638		5410 4764 4116 14290	4763 42.765	646 648 1294	1161.6	

F.B. 1202 PG. 54

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 11:15 - 1:30 PM Rod No. 7 & 8

Name L. A. Co. Precise Level No.
Job No. 492
From BM 1-1 To BM 1-3
Date JULY 5, 1951
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
10	6320 5661 5004 16985	49.238 5662	659 657 1316	11633 12948		5222 4568 3918 13708	42765 4569	654 650 1304	11618 12922	
11	6058 5633 5207 16898	5633	425 426 851	80.0 1379.7		5220 4800 4380 14400	4800	420 420 840	13760	
12	5997 5580 5163 16740	5580	417 417 834	14634	822	6515 6075 5632 18222	6074	440 443 883	14643	BM 1-3 SEE F.B. 202 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-1 TO 1-3
										TOTAL BACKSIGHTS + 66.113 " FORESIGHTS - 58.208 DIFF IN ELEVATION + 7.905
		66113					58.208			

F.B. [illegible] 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..... 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. 1202 PG. 56										

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 1:30-3:00 PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM-1-3 To B. 1-1
Date JULY 5, 1951
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	6568 6128 5687 18383 ✓	6.128 ✓	440 441 881 ✓	88.1 ✓	#7 82°	6049 5633 5217 16898 ✓	5.633 ✓	415 416 831 ✓	83.1 ✓	BM 1-3 SEE FB 1202-8 FOR DESCRIPTION
2	5218 4798 4377 14393 ✓	4798 ✓	420 421 841 ✓	1722 ✓		6058 5632 5207 16897 ✓	5.632 ✓	426 425 851 ✓	1682 ✓	
3	5309 4666 4024 13999 ✓	4666 ✓	643 642 1285 ✓	3007 ✓		6424 5759 5095 17278 ✓	5759 ✓	665 664 1329 ✓	3011 ✓	
4	5443 4787 4134 14364 ✓	4788 ✓	656 653 1309 ✓	4316 ✓		6260 5592 4922 16774 ✓	5.593 ✓	668 670 1338 ✓	4349 ✓	
										BM 1-2 SEE FB 1202 FOR DESCRIPTION

20.382 ✓ 22615 ✓

F.B. 1202 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. S2010
Notes by S. SHINODA Time 1:30-3:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-3 To BM 1-1
Date JULY 25, 1951
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
5	4995 4376 3754	20.380	619 622	4316		6696 6089 5483	22.618	607 606	4349	
	13125	4375	1241	5557		18268	6089	1213	5562	
6	4903 4252 3601		651 651			6349 5701 5051		648 650		
	12756	4252	1302	6859		17101	5 10	1297	6860	
7	5232 4584 3937		648 647			6139 5482 4823		657 659		
	13753	4584	1295	9154		16444	5 81	1316	8176	
F.B. 1202 PG. 58 8	5408 4759 4106		649 653			6068 5418 4769		649 650		
	14273	4758	1302	9456		16256	5 9	1299	9475	
9	5459 4807 4157		652 650			4917 4345 3693		652 652		
	14423	4808	1302	10758		13035	4345	1304	10779	
		43.157					49.354			

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. 50014
Notes by S SAUNDERS Time 1:30-8:00 PM Rod No. 7.50

Name L A C. FREEWAY EVE NE
Job No. 4923
From BM 1-3 To [illegible]
Date JULY 5, 1951
Indexed [illegible] 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
10	5573	43.157 ✓	695	10752. ✓		6400	49.654 ✓ 49.	653	10779. ✓	
	4878		696			5747		650		
	4182		1391 ✓			5097		1302 ✓		
	14633 ✓	4.878 ✓		12149. ✓		17244 ✓	5.748 ✓		12082. ✓	
11	5401		595			6952		609		
	4806		597			6343		613		
	4216		1192 ✓			5730		1222 ✓		
	14437 ✓	4.813 ✓		13341 ✓		19025 ✓	6.342 ✓		13304 ✓	
12	6270		636			5344		689		
	5634		636			4657		687		BM 1-1
	4998		1272 ✓			3968		1376 ✓		SEE FB 1202-5
	16902 ✓	5.634 ✓		14613 ✓	84°	13969 ✓	4.656 ✓		14680 ✓	FOR DESCRIPTION
										SUMMATION OF R. BM 1-3 TO BM 1-1
										TOTAL BACKSIGHTS 58.481 ✓
										" FORESIGHTS 66.397 ✓
										DIFF. IN ELEVATION 7.916 ✓
	58.481 ✓					66.397 ✓				

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. 202 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. NAUMANN Weather Sunny Warm Inst. No. 50010
Notes by J. H. B. Time 10:30 AM-2:00 PM Rod No. 7 & 8

Name L. A. Co Precise Level Net
Job No. 4923
From B.M. 1-3 To B.M. 1-4
Date JUNE 15, 19[illegible]
Indexed R. 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
(1)	7430		659			5173		648		
	6771		659			4525		647		B.M. 1-3
	6112		1318 ✓			3878		1295 ✓		SEE F.B. 1202-3
	20313 ✓	6771 ✓		1318 ✓		13576 ✓	4525 ✓		1295 ✓	FOR DESCRIPTION
(2)	6581		651			5153		652		
	5930		652			4501		649		
	5278		1303 ✓			3852		1301 ✓		
	17789 ✓	5930 ✓		2621 ✓		13506 ✓	4502 ✓		2596 ✓	
(3)	6200		616			3955		634		
	5590		610			3321		631		
	4980		1220 ✓			2690		1265 ✓		
	16770 ✓	5590 ✓		3841 ✓		9966 ✓	3322 ✓		3861 ✓	
(4)	5942		627			4699		629		Time: 1300
	5315		626			4070		629		
	4689		1253 ✓			3441		1258 ✓		
	15946 ✓	5315 ✓		5094 ✓		12210 ✓	4070 ✓		5119 ✓	
(5)	6607		594			4608		605		
	6013		593			4003		603		
	5420		1187 ✓			3400		1208 ✓		
	18040 ✓	6013 ✓		6281 ✓		12011 ✓	4004 ✓		6327 ✓	
		29619 ✓					20423 ✓			

F.B. 1202 PG. 61

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 J. H. B. Time 10:30 AM - 2:00 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4523
From B.M. 1-3 To B.M. 1-4
Date JUNE 15, 1951
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
(6)	7158	29.619✓	629	6294✓		4749	20.423✓	626	6327✓	
	6529		628			4123		625		
	5901		1257✓			3498		1251✓		
	19588✓	6529✓		7538✓		12370✓	4123✓		7578✓	
(7)	7020		621			4848		628		
	6399		623			4220		630		
	5776		1244✓			3590		1258✓		
	19195✓	6398✓		8722✓		12658✓	4219✓		8836✓	
(8)	6159		648			5057		614		
	5511		651			4443		612		
	4860		1299✓			3831		1226✓		
	16530✓	5510✓		10081✓		13331✓	4444✓		10062✓	
(9)	6667		635			3269		618		
	6032		635			2651		620		
	5397		1270✓			2031		1238✓		
	18096✓	6032✓		11351✓		7951✓	2650✓		11300✓	
(10)	8698		628			1886		623		
	8070		628			1263		622		
	7442		1256✓			0641		1245✓		
	24210✓	8070✓		18607✓		3790✓	1263✓		12545✓	
		62.158✓					37.122✓			

F.B. 1202 PG. 62

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. H. BROWN Time 10:32 AM TO 2:22 P.M. Rod No. 7 & 8

Name L.A. Co Precise Level N.T.
Job No. 4923
From B.M. 1-3 To B.M. 1-4
Date JUNE 15, 1951
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
	8879	6215.8 ✓	600	1260.7 ✓		6495	3712.2 ✓	642	1254.5 ✓	
(11)	8279		603			5853		641		B.M. 1-4
	7676		1203 ✓			5212		1283 ✓		SEE F.B. 1203 9
	24834 ✓	8278 ✓		13810 ✓		17560 ✓	5853 ✓		1382.8 ✓	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 1-3 TO B.M. 1-4
										TOTAL BACKSIGHTS = 70.436 ✓
										" FORESIGHTS = 42.975 ✓
										DIFF IN ELEVATION = +27.461 ✓
		70.436 ✓					42.975 ✓			

F.B. 1202 PG. 1

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. H. HUBBARD Time 1:00 P.M. TO 3:00 P.M. Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 1923
From B.M. 1-4 To B.M. 1-3
Date JUNE 18, 1951
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
	6221		598			8193		592	84°	
	5623		598			7601		594		B.M. 1-4
	5025		1196✓			7007		1186✓		SEE F.B. 1202-9
1	16869✓	5623✓		119.6✓		22801✓	7600✓		118.6✓	FOR DESCRIPTION
	1622		589✓			8702		597		
	1033		591			8105		699		
	0442		1180			7506		1296		
2	3097✓	1032✓		236.6		24313✓	8104✓		288.2	
	3838		706			7446		699		
	3132		704			6747		699		
	2428		1410✓			6048		1398✓		
3	9398✓	3133✓		378.6✓		20241✓	6747✓		398.0	
	5221		605			6171		596		
	4616		604			5575		599		
	4012		1209✓			4976		1195✓		
4	13849✓	4616✓		498.5✓		16722✓	5574✓		497.5	
	5018		591			7115		608		
	4427		591			6507		606		
	3836		1182✓			5901		1214✓		
5	13281✓	4427✓		618.7✓		19523✓	6508✓		638.9	
		18831✓					34173✓			

F.B. 1202 PG. 64

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: Naumann Weather: Clear Inst. No. 50010
Notes by: Hubbard Time: 1:00 P.M. TO 3:00 P.M. Rod No. 7 & 8

Name: L.A. Co. Precise Level Net
Job No. 4923
From: B.M. 1-4 To: B.M. 1-3
Date: June 18 1951
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	4839	18.831✓	628	618.7 7		7038	34533✓	576	688.9 1	
	4211		625			6462		574		
	3586		125.3✓			5888		1150		
	12636✓	4.212✓		7480		19388✓	6.463✓		7553.9✓	
7	4398		589			6640		588		
	3809		586			6052		585		
	3223		117.5✓			5467		117.3		
	14300✓	3.810✓		8596		18159✓	6.053✓		8812✓	
8	4736		631			6521		593		
	4105		630			5928		592		
	3475		126.1✓			5336		1185		
	12316✓	4.105✓		9886		17785✓	5.928✓		9897	
9	4670		595			6302		593		
	4075		596			5709		596		
	3479		1191✓			5113		1189		
	12224✓	4075✓		11057		17124✓	5708✓		10886	
10	5178		630			6445		620		
	4548		632			5825		620		
	3916		126.2✓			5205		124.0		
	15642✓	4547✓		12389		17475✓	5.825✓		12526	
		29580✓					64510✓			

F.B. 1202 PG. 47

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 Naumann Weather Clear Inst. No. 50010
Notes by Hubbard Time 1:00 P.M. To 3:00 P.M. Rod No.

Name L.A.Co. Precise Level Net
Job No. 4923
From B.M. 1-4 To B.M. 1-3
Date June 18 1951
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
		39.583 ✓		1230.9			64.10 ✓		1282.6	
	5179		783			7699		784		
11	4396		783			6911		787		B.M. 1-3
	3613		156.6 ✓			6125		1571		SEE F.B. 1202-8
	13188 ✓	4396 ✓		1389.5 ✓		20735 ✓	6912 ✓		1389.7 ✓	FOR DESCRIPTION
									T=80°	
										SUMMATION OF RUN B.M. 1-4 TO B.M. 1-3
										TOTAL BACKSIGHTS + 43.976 ✓
										" FORESIGHTS − 71.422 ✓
										DIFF IN ELEVATION − 27.446 ✓
F.B. 1202 PG. 66										
		43.976 ✓					71.22 ✓			

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 Naumann Weather Cloudy & Calm Inst. No. 50010
Notes by Hubbard Time 8:40 A.M. to 10:00 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-4 To BM 1-3
Date 6-19-51
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)	[illegible] [illegible] [illegible] 15802 ✓	5267 ✓	[illegible] [illegible] 1850 ✓	1850 ✓		11924 11071 10220 33215 ✓	[illegible] ✓	853 851 1704 ✓	68° 170.4 ✓	B.M 1-2 SEE F.B. 1202-9 FOR DESCRIPTION
(2)	2230 1211 0192 3633 ✓	1211 ✓	[illegible] 1017 203.8 ✓	3888 ✓		8844 7908 [illegible] 23723 ✓	7908 ✓	936 937 1873 ✓	357.7 ✓	
(3)	5470 4633 3799 13902 ✓	4634 ✓	837 834 167.1 ✓	5559 ✓		7631 6611 5591 19833 ✓	6611 ✓	1020 1020 2040 ✓	561.7 ✓	
(4)	4361 3450 2538 10349 ✓	3450 ✓	911 912 182.3 ✓	7382 ✓		7909 6971 6032 20912 ✓	6971 ✓	938 939 187.7 ✓	749.4 ✓	
(5)	4172 3252 2331 9755 ✓	3252 ✓	920 921 184.1 ✓	9223 ✓		7260 6329 5398 18987 ✓	6329 ✓	931 931 186.2 ✓	935.6 ✓	
		17814 ✓					38891 ✓			

F.B. 1202 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 Naumann Weather Cloudy & Cr Inst. No. 50010
Notes by Hubbard Time 8:40 AM to 10:00 [illegible] Rod No. 7 + 8

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 1-4 To BM 1-3
Date 6-19-51
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
6	4470 3535 2600 10605 ✓	17.81.4 ✓ 3535 ✓	935 935 1870 ✓	922.8 3 1109.8 3 ✓		7102 6186 5269 18557 ✓	38.[illegible] ✓ 6186 ✓	916 917 1833 ✓	935.6 ✓ 1118.9 ✓	
7	5191 4265 3339 12795 ✓	4265 ✓	926 926 1852 ✓	1294.4 5 ✓		7130 6201 5270 18605 ✓	6200 ✓	929 931 1860 ✓	1304.9 ✓	
8	5182 4772 4363 14317 ✓	4773 ✓	410 409 819 ✓	1376.3 4		6977 6550 6122 19649 ✓	6550 ✓	427 428 855 ✓	1390.4 ✓	B.M. 1-3 SEE F.B. 1202-8 FOR DESCRITION
									68°	SUMMATION OF RUN B.M. 1-4 TO B.M 1-3
										TOTAL BACKSIGHTS + 30.387 ✓ " FORESIGHTS - 57.827 ✓ DIFF IN ELEV. - 27.440 ✓
		30.387 ✓					57.827 ✓			

F.B. 1202 PG. 68

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 1:15-2:30 P.M. Rod No. 7 & B

Name [illegible]
Job No. 49[illegible]
From BM 1-3 To [illegible]
Date JULY 3, 1951
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	7722 6[illegible] [illegible] 20014 ✓	6.671 ✓	657 [illegible] 1313 ✓	1313 ✓	#7 76°	5213 4564 3914 13691 ✓	4.564 ✓	649 650 1299 ✓	1299	BM 1-3 SEE FB 1202-[illegible] FOR DESCRIP[illegible]
2	6592 5931 5288 17812 ✓	5.937 ✓	654 656 1310 ✓	2623 ✓		5030 4386 3741 13157 ✓	4386 ✓	644 645 1289 ✓	2588 ✓	
3	649[illegible] 5839 5186 17516 ✓	5839 ✓	652 653 1305 ✓	3928 ✓		4850 4203 3554 12607 ✓	4.202 ✓	647 649 1296 ✓	3884 ✓	
4	6943 6296 5649 18888 ✓	6.296 ✓	647 647 1294 ✓	5222 ✓		4966 4307 3648 12921 ✓	4.307 ✓	659 659 1318 ✓	5202 ✓	
5	6804 6156 5506 18466 ✓	6.155 ✓	648 650 1298 ✓	6520 ✓		4442 3787 3130 11359 ✓	3786 ✓	655 657 1312 ✓	6514 ✓	
		30898 ✓					21245 ✓			

F.B. 1202 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:15-2:30 PM Rod No. 1 & 3

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-3 To BM 1-4
Date JULY 3, 1951
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
6	7071	30898 ✓	651	6520 ✓		4594	2[illegible]45 ✓	646	6514 ✓	
	6420		652			3948		646		
	5768		1303 ✓			3302		1292 ✓		
	19259 ✓	6.420 ✓		7823 ✓		11844 ✓	3948 ✓		7806 ✓	
7	6881		639			4869		658		
	6242		638			4211		661		
	5604		1277 ✓			3550		1319 ✓		
	18727 ✓	6.242 ✓		9100 ✓		12630 ✓	4[illegible]10 ✓		9125 ✓	
8	6089		652			4700		652		
	5437		656			4048		651		
	4781		1308 ✓			3397		1303 ✓		
	16307 ✓	5.436 ✓		10408 ✓		12145 ✓	4.048 ✓		10428 ✓	
9	7558		651			3208		648		
	6907		650			2560		651		
	6257		1301 ✓			1909		1299 ✓		
	20722 ✓	6.907 ✓		11709 ✓		7677 ✓	[illegible] ✓		11727 ✓	
10	9490		659			1627		649		
	8831		657			0978		649		
	8174		1316 ✓			0329		1298 ✓		
	26495 ✓	7.832 ✓		13025 ✓		2934 ✓	[illegible] ✓		13025 ✓	
		64.735 ✓					36.[illegible] ✓			

F.B. 1202 PG. 70

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. 50012
Notes by S. SHINODA Time 1:15-2:30 PM Rod No. 7 & 8

Name [illegible]
Job No. 4925
From B.M. 1-3 To B.M. 1-4
Date JULY 3, 1951
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
11	4442 4009 3572 12022	64.735 ✓ 4007 ✓	434 436 870 ✓	1302.5 ✓ 1389.5 ✓		4722 4309 3896 12927 ✓	36[illegible] ✓ 4309 ✓	413 413 826 ✓	1302.5 ✓ 1385.1 ✓	BM 1-4 SEE F.B. [illegible] 9 FOR [illegible]
										SUMMATION OF UN BM 1-3 TO BM 1-4
										TOTAL BACKSIGHTS +68.742 ✓ " FORESIGHTS 41.297 ✓ DIFF. IN ELEVATION +27.445 ✓
		68.742 ✓					41.297 ✓			

F.B. [illegible] 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..... 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. 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 H. F. NAUMANN Weather Warm Inst. No. 50010
Notes by W. D. Bay Time 2:15 P.M. to 3:00 P.M. Rod No. 7 & 8

Name L. A. Co. Precise Level Net
Job No. 4923
From BM-1-4 To BM 1-5
Date JUNE 15, 195
Indexed A. C. 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
1	3.183		656			5.472		652		
	2.527		654			4.813		660		B.M. 1-4
	1.873		131.0 ✓			4.153		131.9 ✓		SEE F.B. 1202
	7.583 ✓	2.528 ✓		131.0 ✓		14.438 ✓	4.813 ✓		131.9 ✓	FOR DESCRIPTION
2	5.587		626			5.634		620		
	4.961		629			5.014		622		
	4.332		125.5 ✓			4.392		124.2 ✓		
	14.880 ✓	4.960 ✓		256.5 ✓		15.040 ✓	5.013 ✓		256.1 ✓	
3	5.620		618			5.099		618		
	5.002		621			4.481		620		
	4.381		123.9 ✓			3.861		123.8 ✓		
	15.003 ✓	5.001 ✓		380.4 ✓		13.441 ✓	4.480 ✓		379.9 ✓	
4	5.268		628			3.501		649		
	4.640		630			2.852		648		
	4.010		125.8 ✓			2.204		129.7 ✓		
	13.918 ✓	4.639 ✓		506.2 ✓		8.557 ✓	2.852 ✓		509.6 ✓	
5	5.508		611			4.986		609		
	4.897		613			4.377		609		
	4.284		122.4			3.768		121.8 ✓		
	14.689 ✓	4.896 ✓		628.6 ✓		13.131 ✓	4.377 ✓		631.4 ✓	
		22.024 ✓					21.535 ✓			

F.B. 1202 PG. 73

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 W. O. BAY Time 2:15 P.M. TO 3:00 P.M. Rod No. 7 & 8

Name L.A.CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-4 To B.M. 1-5
Date JUNE 15, 1951
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	6.495	22.024 ✓	645	628.6	✓	5.248	21.535 ✓	653	631.4 ✓	
	5.850		646			4.595		656		
	5.204		129.1 ✓			3.939		130.9 ✓		
	17.549 ✓	5.850 ✓		757.7	✓	13.782 ✓	4.594 ✓		762.3 ✓	
7	4.780		685			4.420		691		BM 1-5
	4.095		685			3.729		691		SEE F.B. 1202-10
	3.410		137.0 ✓			3.038		138.2 ✓		FOR DESCRIPTION
	12.285 ✓	4.095 ✓		894.7	✓	11.187 ✓	3.729 ✓		900.5 ✓	
										SUMMATION OF RUN B.M. 1-4 TO B.M. 1-5
										TOTAL BACKSIGHTS + 31.969 ✓
										" FORESIGHTS − 29.858 ✓
										DIFF. IN ELEVATION + 2.111 ✓
		31.969 ✓					29.858 ✓			

F.B. 1202 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 Naumann Weather Cool & Cloudy Inst. No. 50010
Notes by Hubbard Time 11:00 AM to 12:00 AM Rod No. 7 8

Name L.A. Co. Precise Level net
Job No. 4923
From B.M. 1-5 To B.M. 1-4
Date 6-18-51
Indexed L. 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	4170		608			4640		613		B.M. 1-5
	3562		608			4027		614		SEE F.B. 1208-10
	2954		1216 ✓			3413		1227 ✓		FOR DESCRIPTION
	10686 ✓	3562 ✓		121.6 ✓		12080 ✓	4027 ✓		1227 ✓	
2	5108		723 ✓			6324		741		
	4385		721			5583		740		
	3664		1444 ✓			4843		1481 ✓		
	13157 ✓	4386 ✓		266.0 ✓		16750 ✓	5583 ✓		2708 ✓	
3	4853		711 ✓			6297		718		
	4142		713			5579		715		
	3429		1422 ✓			4864		1433 ✓		
	12424 ✓	4141 ✓		408.4		16740 ✓	5580 ✓		4141 ✓	
4	4523		700			5724		712		
	3823		700			5012		713		
	3123		1400 ✓			4299		1425 ✓		
	11469 ✓	3823 ✓		548.4		15035 ✓	5012 ✓		5566 ✓	
5	5436		696			5478		698		
	4740		697			4780		697		
	4043		1393 ✓			4083		1395 ✓		
	14219 ✓	4740 ✓		687.3		14341 ✓	4780 ✓		696.1 ✓	
		20652 ✓					24982 ✓			

F.B. 1202 PG. 75

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: Naumann
Notes by: Hubbard
Weather: Cool + Cloudy
Time: 11:00 AM TO 12:00 AM
Inst. No. 50010
Rod No. 7 5 8

Name: L.A. Co PRECISE LEVEL NET
Job No. 4923
From: B.M. 1-5 To: B.M. 1-4
Date: JUNE 18 1951
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	5 218 4 666 4 112 13 996 ✓	20.652 ✓ 46.65 ✓	552 554 1106	687.5 ✓ 7 79.81		4 728 4 179 3 628 12.535 ✓	82 ✓ 41.78 ✓	549 551 1100 ✓	696.1 ✓ 80.61 ✓	
7.	5 787 5 324 4 860 15.971 ✓	53.24 ✓	463 464 927	890.8		4 024 3 588 3 151 10.763 ✓	35.88 ✓	436 437 873 ✓	893.4 ✓	B.M. 1-2 SEE F.B. 1202-9 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 1-5 TO B.M. 1-4
F.B. 1202 PG. 76										TOTAL BACKSIGHTS +30.641 ✓ " FORESIGHTS − 32.748 ✓ DIFF IN ELEVATIONS − 2.107 ✓
	30.641 ✓					32.748 ✓				

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: Naumann Weather: Cloudy Inst. No.: 50010
Notes by: Hubbard Time: 10:30 - 11:00 Rod No.: 7 & 8

Name: L.A. Co. Precise Lev. Net
Job No.: 4923
From: B.M. 1-4 To: [illegible]
Date: 6-19-51
Indexed: K. 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
1	7101		812			4193		810	68°	B.M. 1-4
	6289		802			3383		811		SEE F.B. 1203 9
	5480		162.1 ✓			2572		1621 ✓		FOR DESCRIPTION
	18870 ✓	6290 ✓		162.1 ✓		10148 ✓	3383 ✓		162.1 ✓	
2	7179		799			4260		801		
	6379		801			3459		801		
	5578		1600 ✓			2658		1602 ✓		
	19135 ✓	6378 ✓		322.1 ✓		10377 ✓	3459 ✓		322.3 ✓	
3	7130		767			4322		754		
	6363		767			3568		756		
	5596		1534 ✓			2812		1510 ✓		SUMMATION OF RUN
	19089 ✓	6363 ✓		475.5 ✓		10702 ✓	3567 ✓		473.3 ✓	B.M. 1-4 TO B.M. 1-6
4	7160		803			4044		792		
	6357		805			3252		791		TOTAL BACKSIGHTS + 32220 ✓
	5552		1608 ✓			2461		1583 ✓		" FORESIGHTS − 17692 ✓
	19069 ✓	6356 ✓		636.3 ✓		9757 ✓	3252 ✓		631.6 ✓	DIFF IN ELEV + 12528 ✓
5	7618		785			4847		817	70°	B.M. 1-6
	6833		784			4030		814		SEE F.B. 1202 11
	6049		1569 ✓			3216		1631 ✓		FOR DESCRIPTION
	20500 ✓	6833 ✓		793.2 ✓		12093 ✓	4031 ✓		794.7 ✓	
		32220 ✓					17692 ✓			

F.B. 1202 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: Naumann
Notes by: Hubbard
Weather: Cloudy
Time: 11:00 AM to 12:00 Noon
Inst. No.: 50010
Rod No.: 1 + 8

Name: L.A.Co. Precise Level Net
Job No.: 4923
From: B.M. 1-6 To: B.M. 1-4
Date: JUNE 19, 1951
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	4917 4178 3438 12533	4178	739 740 1479 9	147.8		7428 6704 5981 20113	6704	724 723 144.7	70° 1447	B.M. 1-6 SEE F.B 1202-11 FOR DESCRIPTION
2	4170 3518 2863 10551	3517	652 655 1307	278.8		6783 6140 5495 18418	6139	643 645 128.8	2735	
3	4440 3790 3143 11373	3791	650 647 1297	408.8		6813 6162 5511 18493	6164	651 649 129.5	4080	
4 (F.B. 1202 PG. 78)	4470 3820 3170 11460	3820	650 650 1300	5784		6852 6203 5552 18607	6202	649 651 1300	5830	
5 (F.B. 1202 PG. 78)	4330 3733 3137 11200	3733	597 596 1193	657.6		6603 5987 5373 17963	5988	616 614 1230	6580	
		19039					31197			

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 HUBBARD Time 11:00 A.M. TO 12:00 P.M. Rod No.

Name L.A. Co PRECISE LEVEL NE
Job No. 4923
From B.M. 1-6 To B.M. 1-4
Date JUNE 19, 19
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
6	4242	19.039 ✓	[illegible]15	~~676.7~~ 657.6	70°	6764	31197 ✓	.743	6580 6	B.M. 1-4
	3627		[illegible]			6021		745		SEE F.B. 1202-9
	3011		1231 ✓			5276		1488 ✓	4	FOR DESCRIPTION
	10880 ✓	3627 ✓		780.7 ~~7798~~		18061 ✓	6020 ✓		8038	
										SUMMATION OF RUN B.M. 1-6 TO B.M. 1-4
										TOTAL BACKSIGHTS - 22.66[illegible] ✓
										" FORESIGHTS - 37.21[illegible] ✓
										DIFF IN ELEVATION - 14.55[illegible] ✓
		22.666 ✓					37.217 ✓			

F.B. 1202 PG. 79

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 H. F. N Time 1:00 P.M. TO 2:00 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4523
From B.M. 1-6 To B.M. 1-4
Date JUNE 19, 1951
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
	5.115		616			7.258		653	7.86	
	4.469		648			6.605		655		B.M. 1-6
	3.821		1294 ✓			5.950		1308 ✓		SEE F.B. 1202-11
1	13.405 ✓	4.468 ✓		1294 ✓		19.813 ✓	6.604 ✓		1308 ✓	FOR DESCRIPTION
	4.107		646			6.800		649		
	3.461		647			6.151		646		
	2.814		1293 ✓			5.505		1295 ✓		
2	10.382 ✓	3.461 ✓		2587 ✓		18.456 ✓	6.152 ✓		2603 ✓	
	4.558		593			6.758		604		
	3.965		596			6.154		604		
	3.369		1189 ✓			5.550		1208 ✓		
3	11.892 ✓	3.964 ✓		3776 ✓		18.462 ✓	6.154 ✓		3811 ✓	
	4.528		633			6.927		664 ✓		
	3.895		634			6.263		661 ✓		
	3.261		1267 ✓			5.602		1325		
4	11.684 ✓	3.895 ✓		5043 ✓		18.792 ✓	6.264 ✓		5136 ✓	
	4.388		618			6.595		585		
	3.770		620			6.010		584		
	3.150		1238 ✓			5.426		1169 ✓		
5	11.308 ✓	3.769 ✓		6281 ✓		18.031 ✓	6.010 ✓		6285	
		19.557 ✓					31.184 ✓			

F.B. 1202 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 H.F.N Time 1:00 P.M. TO 2:00 PM Rod No. 7 & 8

Name L.A. CO. PRECISE LEVEL NET
Job No. 4523
From B.M. 1-6 To B.M. 1-4
Date JUNE 19 19
Indexed A.C. LANSON

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
	4.309	19.557 ✓	823	628.1 ✓		7.211	3.184 ✓	816	628.5	
	3.486		821			6.395		818	30	B.M. 1-4
	2.665		1644 ✓			5.577		1634 ✓	793.9	SEE F.B. 1202
6	10.460 ✓	3.487 ✓		792.5 ✓		19.183 ✓	6.394 ✓		~~791.9~~	FOR DESCRIPTION
		23.044 ✓					37.578 ✓		T86°	
										SUMMATION OF RUN B.M. 1-6 TO B.M. 1-4
										TOTAL BACKSIGHTS - 23.044 ✓
										" FORESIGHTS - 37.578 ✓
										DIFF IN ELEV - 14.534 ✓
		23.044 ✓					37.578 ✓			

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 H. F. N. Time 2:15 P.M. TO 4:15 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4523
From B.M. 1-6 To B.M. 1-7
Date JUNE 19, 1951
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
	7939		648		86°	3720		635		
	7291		649			3085		635		B.M. 1-6
	6642		1297 ✓			2450		1270 ✓		SEE F.B. 1202-11
1	21.872 ✓	7291 ✓		1297 ✓		9255 ✓	3085 ✓	1	1270 ✓	FOR DESCRIPTION
	6749		619			3809		623		
	6130		619			3186		625		
	5511		1238 ✓			2561		1248 ✓		
2	18.390 ✓	6130 ✓		2535 ✓		9556 ✓	3185 ✓		2518 ✓	
	5692		601			7769		603		
	5091		5[illegible]			7166		604		
	4492		1200 ✓			6562		1207 ✓		
3	15.275 ✓	5092 ✓		3735 ✓		21497 ✓	7166 ✓		3725 ✓	
	2187		492			7875		479		
	1695		491			7396		481		
	1204		983 ✓			7015		960 ✓		
4	5086 ✓	1695 ✓		4718 ✓		22486 ✓	7495 ✓		4685 ✓	
	2964		632			5973		615		
	2332		631			5358		618		
	1701		1263 ✓			4740		1233 ✓		
5	6997 ✓	2332 ✓		5981 ✓		16071 ✓	5357 ✓		5916 ✓	
		22540 ✓					26228 ✓			

F.B. 1202 PG. 82

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 H.F.N. Time 2:15 P.M. TO 4:15 P.M. Rod No. 7 & 8

Name L.A. CO PRECISE LEVELING
Job No. 2923
From B.M. 1-6 To B.M. 1-7
Date JUNE 19, 19[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
	5290	22540 ✓	629	598.1 ✓		6322	26288 ✓	608	591.8 ✓	
	4661		629			5714		609		
	4032		1258 ✓			5105		1217 ✓		
6	13983 ✓	4661 ✓		723.9 ✓		17141 ✓	5714 ✓		713.5 ✓	
	2968		609			8504		639		
	2359		610			7865		639		
	1749		1219 ✓			7226		1278 ✓		
7	7076 ✓	2359 ✓		845.8 ✓		23595 ✓	7865 ✓		841.3 ✓	
	2767		607			8435		645		
	2160		607			7790		644		
	1553		1214 ✓			7146		1289 ✓		
8	6480 ✓	2160 ✓		967.2 ✓		23371 ✓	7790 ✓		970.2 ✓	
	4690		624			5028		626		
	4066		624			4402		623		
	3442		1248 ✓			3779		1249 ✓		
9	12198 ✓	4066 ✓		1092.0 ✓		13209 ✓	4403 ✓		1095.1 ✓	
	5740		631			5001		616		
	5109		633			4385		615		
	4476		1264 ✓			3770		1231 ✓		
10	15325 ✓	5108 ✓		1218.4 ✓		13156 ✓	4385 ✓		1218.2 ✓	
		40894 ✓					56445 ✓			

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 H.F.N. Time 2:15 PM to 4:15 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-6 To B.M. 1-7
Date JUNE 19, 1951
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
	5716	40,894 ✓	583	1218.2 ✓		5701	56,115 ✓	597	1219.2 ✓	
	5133		582			5104		595		
	4551		116.5 ✓			4505		1196 ✓		
11	15400 ✓	5.133 ✓		1334.9 ✓		15310 ✓	5.103 ✓		1337.8 ✓	
	6706		614.			5499		635.		
	6092		613			4864		634		
12	5479		122.7 ✓			4230		126.9 ✓		
	18277 ✓	6092 ✓		1457.6 ✓		14593 ✓	4.864 ✓		1464.7 ✓	
	5766		620.			5098		639.		
	5146		621			4459		638		
13	4525		124.1 ✓			3821		127.7 ✓		
	15437 ✓	5.146 ✓		1581.7 ✓		13378 ✓	4.459 ✓		1592.4 ✓	
	5992		655			5338		695		
	5337		656			4743		594		
14	4681		131.1 ✓			4149		118.9 ✓		
	16010 ✓	5337 ✓		1712.8 ✓		14230 ✓	4.743 ✓		1711.3 ✓	
	5609		624.			4899		626.		
	4985		623			4262		623		
15	4362		124.7 ✓			3639		124.9 ✓		
	14956 ✓	4985 ✓		1837.5 ✓		12789 ✓	4.263 ✓		1836.2 ✓	
		67.587 ✓					79.877 ✓			

F.B. 202 PG. 84

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 R. HUBBARD Time 2:15 TO 4:15 P.M. Rod No. 758

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-6 To B.M. 1-7
Date 6-20-51
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
16	5670	67.587 ✓	621	1837.5 ✓		4925	79.877 ✓	625	1836.2 ✓	
	5049		619			4300		625		
	4430		124.0 ✓			3675		125.0 ✓		
	15149 ✓	5050 ✓		1961.5 ✓		12900 ✓	4300 ✓		1961.2 ✓	
17	5768		627			5050		627		
	5141		629			4423		627		
	4512		125.6 ✓			3796		125.4 ✓		
	15421 ✓	5140 ✓		2087.1 ✓		13269 ✓	4423 ✓		2086.6 ✓	
18	6382		627			2341		620		
	5755		626			1721		620		
	5129		125.3 ✓			1101		124.0 ✓		
	17266 ✓	5755 ✓		2212.4 ✓		5163 ✓	1721 ✓		2210.6 ✓	
19	10144		624			1490		625		
	9520		624			0865		624		
	8896		124.8 ✓			0241		124.9 ✓		
	28560 ✓	9520 ✓		2337.2 ✓		2596 ✓	0865 ✓		2335.5 ✓	
20	6075		616			7493		623		
	5459		619			6860		623		
	4840		123.5 ✓			6237		124.6 ✓		
	16374 ✓	5458 ✓		2460.7 ✓		20580 ✓	6860 ✓		2460.1 ✓	
		98.510 ✓					98.046 ✓			

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 Naumann Weather Clear + Windy Inst. No. 50010
Notes by Hubbard Time 2:55 p.m. to 4:45 p.m. Rod No. 7 + 8

Name L.A. Co Precise Level Net
Job No. 4923
From B.M. 1-6 To B.M. 1-7
Date 6-28-51
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
21	4968	98.510 ✓	585	2460.7 ✓		3308	98.046 ✓	578	2460.1 ✓	
	4383		583			2730		579		
	3800		116.8 ✓			2151		115.7 ✓		
	13151 ✓	4384 ✓		2577.5 ✓		8189 ✓	30 ✓		2575.8 ✓	
22	6448		367			4213		376		B.M. 1-7
	6081		367			3837		378		SEE F.B. 1202-12
	5714		73.4 ✓			3459		75.4 ✓		FOR DESCRIPTION
	18243 ✓	6081 ✓		2652.9 ✓		11509 ✓	3836 ✓		2651.2 ✓	
					78°					
										SUMMATION OF RUN B.M. 1-6 TO B.M. 1-7
F.B. 1202 PG. 86										TOTAL BACKSIGHTS + 108.975 ✓
										" FORESIGHTS − 104.612 ✓
										DIFF. IN ELEVATION + 4.363 ✓
		108.975 ✓					104.612 ✓			

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 Naumann Weather Cloudy Inst. No. 50010
Notes by Hubbard Time 9:15 AM to 11:15 p.m. Rod No. 748

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 1-7 To B 1-6
Date 6-20-51
Indexed K. C. J. 12-20-51

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
1	4068		497		70°	7391		497	70°	
	3571		498			6894		497		B.M. 1-7
	3073		995✓			6397		994✓		SEE F.B. 1202-[illegible]
	10712✓	3571✓		995✓		20682✓	6894✓		994✓	FOR DESCRIPTION ✓
2	4427		709			2928		689		
	3718		712			2239		691		
	3006		1421✓			1548		1380✓		
	11151✓	3717✓		241.6✓		6715✓	2238✓		2374✓	
3	5344		702			10081		695		
	4642		702			9386		694		
	3940		1404✓			8692		1389✓		
	13926✓	4642✓		382.0✓		28159✓	9386✓		3763✓	
4	1988		435			9763		700		
	1553		432			9063		698		
	1121		867✓			8365		1398✓		
	4662✓	1554✓		468.7✓		27191✓	9064✓		5161✓	
5	4573		750			5788		511		
	3823		753			5277		513		
	3070		1503✓			4764		1024✓		
	11466✓	3822✓		619.0✓		15829✓	5276✓		6185✓	
		17306✓					32858✓			

F.B. [illegible] PG. 27

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: Naumann Weather: Cloudy Inst. No.: 50010
Notes by: Hubbard Time: 9:15 - 11:15 A.M. Rod No.: 7 & 8

Name: L.A. Co. Precise Level Net
Job No.: 4923
From: BM 1-7 To: BM 1-6
Date: 6-20-51
Indexed: 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	5339	17,306 ✓	800	619.0 ✓		6163	32,758 ✓	805	618.5 ✓	
	4539		821			5358		808		
	3738		1601 ✓			4550		1613 ✓		
	13616 ✓	4539 ✓		779.1 ✓		16071 ✓	5357 ✓		779.8 ✓	
7	5520		807			6403		797		
	4713		805			5606		799		
	3908		1612 ✓			4807		1596 ✓		
	14141 ✓	4714 ✓		940.3 ✓		16816 ✓	5605 ✓		939.4 ✓	
8	5423		784			6324		804		
	4639		787			5520		802		
	3856		1567 ✓			4718		1606 ✓		
	13918 ✓	4639 ✓		1097.0 ✓		16562 ✓	5521 ✓		1100.0 ✓	
F.B. 1202 PG. 88 9	5192		882			6060		800		
	4390		802			5260		800		
	3588		1604 ✓			4460		1600 ✓		
	13170 ✓	4390 ✓		1257.4 ✓		15780 ✓	5260 ✓		1260.0 ✓	
10	5326		802			6150		789		
	4524		804			5361		791		
	3720		1606 ✓			4570		1580 ✓		
	13570 ✓	4523 ✓		1418.0 ✓		16081 ✓	5360 ✓		1418.0 ✓	
		49111 ✓					59761 ✓			

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 HUBBARD Time 9:15 A.M. TO 11:15 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-7 To B.M. 1-6
Date JUNE 20, 19[illegible]
Indexed A. C. JO[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
11	5183 4382 3580 13145	43.111 4382	801 802 1603	1418.0 1578.3		6098 5298 4495 15891	59.961 5297	800 803 1603	1418.0 1578.3	
12	5630 4830 4030 14490	4830	800 800 1600	1738.3		2916 2118 1320 6354	2118	798 798 1596	1737.9	
13	9512 8707 7903 26122	8707	805 804 1609	1899.2		2108 1309 0512 3929	1310	799 797 1596	1897.5	
14	7968 7173 6381 21522	7174	795 792 1587	2057.9		5487 4698 3906 14091	4697	789 792 1581	2055.6	
15	6127 5394 4662 16183	5394	733 732 1465	2204.4		1993 1253 0512 3758	1253	74[illegible] [illegible] 14[illegible]	2203.7	
		70598					74636			

F.B. ____ PG. 29

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 Naumann Weather Cloudy Inst. No. 50010
Notes by R. Hubbard Time 9 15 AM to 11 15 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-7 To B.M. 1-6
Date June 20, 1951
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
16	10075 9365 8656 28096	70.598 9365	710 709 141.9	22044 23463		2498 1787 1078 5363	74636 [illegible]	711 709 142.0	2203.7 2345.7	
17	4387 3612 2838 10837	3612	775 774 154.9	25012		7486 6711 5937 20134	[illegible]	775 774 154.9	2500.6	
18	3730 2975 2222 8927	2976	755 753 1508	2652.0		8523 7768 7012 23303	7768	755 756 151.1	2651.7	B.M. 1-6 SEE F.B. 1202-11 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 1-7 TO B.M. 1-6
										TOTAL BACKSIGHTS + 86.551 " FORESIGHTS − 90.903 DIFF IN ELEV − 4.352
		86551					90903			

F.B. 1202 PG. 90

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 Naumann Weather Cloudy Inst. No. 50010
Notes by Hubbard Time 11:30 - 1:30 Rod No. 748

Name L.A.Co.Precise Level Net
Job No. 4923
From B.M. 1-7 To B.M. 1-8
Date 6-20-51
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
1	10933 9129 8427 27689	9230	804 802 1606	1606	72°	2212 1402 0594 4208	1403	810 808 1618	1618	B.M. 1-7 SEE F.B. 1203 - 12 FOR DESCRIPTION
2	8474 7673 6874 23021	7674	801 799 1600	3206		1904 1113 0320 3337	1112	791 793 1584	3202	
3	10646 10012 9380 30038	10013	634 632 1266	4472		1053 0613 0173 1839	0613	440 440 880	4082	
4	11851 11056 10258 33165	11055	795 798 1593	6065		4423 3413 2403 10239	3413	1010 1010 2020	6102	
5	6027 5383 4737 16147	5382	644 646 1290	7355		5251 4618 3986 13855	4618	633 632 1265	7367	
		43354					11159			

F.B. [illegible] 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: Naumann Weather: Cloudy Inst. No.: 50010
Notes by: Hubbard Time: 11:30 - 1:30 Rod No.: 748

Name: L.A.Co. Precise Level Net
Job No.: 4923
From: B.M. 1-7 To: B.M. 1-8
Date: 6-20-51
Indexed: J. 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
	5994	43351	621	7355		5504	11159	624	7367	
	5373		621			4880		623		
	4752		124.2			4257		124.7		
6	16119	5373		8597		14641	4880		8614	
	6242		629			1907		619		
	5613		630			1288		621		
	4983		125.9			0667		124.0		
7	16838	5613		9856		3862	1287		9854	
	10037		539			2148		550		
	9498		542			1598		550		B.M. 1-8
	8956		1081			1048		1100		SEE F.B. 1202-13
8	28491	9497		10937		4794	1598		10954	FOR DESCRIPTION
					T=81°					
										SUMMATION OF RUN
										B.M. 1-7 TO B.M. 1-8
										TOTAL BACKSIGHTS + 63.837
										" FORESIGHTS - 18.924
										DIFF IN ELEV 44.913
		63.837					18.924			

F.B. 1202 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 Naumann Weather Cloudy Inst. No. 50010
Notes by Hubbard Time 1:30 to 3:00 P.M. Rod No. 748

Name L.A.Co Precise Level Net
Job No. 4923
From BM 1-7 To BM 1-8
Date 6-21-51
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
1	9668 8919 8170 26757	8.919	749 749 149.8	149.8	T74°	2321 1572 0826 4719	1.573	749 746 149.5	149.5	B.M 1-7 SEE F.B. 1202 : 2 FOR DESCRIPTION
2	8313 7618 6921 22852	7.617	695 697 139.2	289.0		3054 2352 1652 7058	2.353	702 700 1402	289.2	
3	8953 8454 7956 25363	8.454	499 499 99.7	388.7		1294 0798 0300 2392	0.797	496 498 99.4	388.1	
4	10149 9650 9150 28949	9.650	499 500 99.9	488.6		1433 0930 0426 2789	0.930	503 504 100.7	488.8	
5	7988 7239 6489 21716	7.239	749 750 149.9	638.5		5384 4636 3885 13905	4.635	748 751 149.9	639.7	
		91.879					10.288			

F.B. PG. 64

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 Naumann Weather Cloudy Inst. No. 50010
Notes by Hubbard Time 1115 - 2145 Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From B.M. 1-7 To B.M. 1-8
Date 6-21-51
Indexed L. 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	6400	41.879 ✓	746	638.5 ✓		5592	10.289 ✓	742	639.7 ✓	
	5654		725			4850		742		
	4909		149.1 ✓			4108		148.4 ✓		
	16963 ✓	5.654 ✓		787.6 ✓		14550 ✓	4.850 ✓		788.1 ✓	
7	6107		755			4658		747		
	5352		754			3911		744		
	4598		150.9 ✓			3167		149.1 ✓		SUMMATION OF RUN
	16057 ✓	5.352 ✓		938.5 ✓		11756 ✓	3.112 ✓		937.2 ✓	B.M. 1-7 TO B.M. 1-8
8	9010		505			1530		500		
	8505		505			1030		500		TOTAL BACKSIGHTS + 68.771 ✓
	8000		101.0 ✓			0530		100.0 ✓		" FORESIGHTS − 23.876 ✓
	25515 ✓	8.505 ✓		1039.5 ✓		3090 ✓	1.030 ✓		1037.2 ✓	DIFF. IN ELEVATION + 44.895 ✓
9	7672		291			4092		295		
	7381		292			3797		297		B.M 1-8
	7089		58.3 ✓			3500		59.2 ✓		SEE F.B. 1202-13
	22142 ✓	7.381 ✓		1037.8 ✓	72°	11389 ✓	3.796 ✓		1096.4 ✓	FOR DESCRIPTION
		68.771 ✓					23.876 ✓			

F.B. 1202 PG. 54

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 [illegible] Weather CLEAR Inst. No. 52010
Notes by [illegible] Time [illegible] Rod No. 788

Name L.A. [illegible] Ne
Job No. 4925
From [illegible] To [illegible]
Date JUNE 24, 1957
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.	9229 8622 2613 25864	5.321	607 609 1216	1216	#7 84°	3076 2475 1877 7428	3.714	601 598 1199	1199	B.M. 1-7 SEE F.B. 1206-12 FOR DESCRIPTION
2	7921 7318 4263 19984	4.327	603 605 1208	2424		3271 2669 2070 8010	2.670	602 599 1201	2400	
3	8880 7457 6239 22578	7.525	621 620 1241	3665		2116 1642 1166 4924	1.640	476 474 ~~950~~ 948	34.8 ~~2400~~	
4	9922 9479 8922 28437	9.479	454 459 913	4583		1520 1005 0510 2415	0.805	495 495 990	33.8 ~~4583~~	
5	9650 9279 8700 27629	9.209	579 579 1158	5741		4034 3410 2789 10233	3.411	624 621 1245	58.3 ~~5741~~	
		42.165					11.022			

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 [illegible] Inst. No. 50010
Notes by S. [illegible] Time 2:00-3:15 Rod No. 7[illegible]

Name [illegible]
Job No. 4[illegible]
From [illegible] To [illegible]
Date [illegible]
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	5988 5403 4818 16209	42.165 5.403	585 585 1170	57[illegible] 68[illegible]		5258 4652 4049 13959	[illegible] 4[illegible]53	606 603 1209	558.3 6[illegible]	
7	5677 5098 4517 15293	5.098	579 5[illegible] 1159	807.0 79[illegible]		5202 4578 3952 13732	4[illegible]77	624 626 1[illegible]5[illegible]	8[illegible]	
8	5812 5211 4608 15631	5.210	601 603 1204	9[illegible]7[illegible]		4751 4147 354[illegible] 12438	4[illegible]16	604 607 1211	925.3 9315	SUMMATION OF RUN B.M. 1-7 TO B.M. 1-8
9	9040 8570 8101 25711	8.570	470 469 939	10[illegible]1[illegible]		2871 2[illegible] [illegible] 7161	2[illegible]87	483 486 969	1022.2 1028.4	TOTAL BACKSIGHTS + 74.800 " FORESIGHTS − 29.911 DIFF IN ELEVATION + 44.889
10	8761 8353 7947 25061	8354	418 406 814	1102.7 10[illegible]		3[illegible] 3126 2779 9378	3[illegible]6	347 347 694	109[illegible]	B.M. 1-8 SEE F.B. 1202-13 FOR DESCRIPTION
	74800					29[illegible]11				

F.B. 1202 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 CLOUDY Inst. No. 50010
Notes by R. H. HUBBARD Time 9:00 A.M. to 10:30 A.M. Rod No. 7 & 8

Name L.A. Co Precise Level Net
Job No. 2923
From B.M. 1-8 To B.M. 1-7
Date JUNE 21, 1951
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	2250 1760 1069 5279 ✓	1760 ✓	690 691 381	1381 ✓	66°	11970 11335< 10700 34005 ✓	11335 ✓	635 635 127.0 ✓	127.0 ✓	
2	3259 2544 1830 7633 ✓	2544 ✓	715 [illegible] [illegible] ✓	281.0 ✓		5987 5319 4650 15956 ✓	5319 ✓	668 669 133.7 ✓	260.7 ✓	
3	5571 4862 4152 14585 ✓	4862 ✓	709 710 141.9 ✓	422.9 ✓		6428 5634 4840 16904 ✓	5635 ✓	794 792 158.6 ✓	419.3 ✓	
4	5624 4878 4129 14631 ✓	4877 ✓	746 749 149.5 ✓	572.4 ✓		6752 6004 5254 18010 ✓	6003 ✓	748 750 149.8 ✓	569.1 ✓	
5	2067 1473 0881 4421 ✓	1474 ✓	594 592 118.6 ✓	691.0 ✓		12969 12384 11780 37153 ✓	12384 ✓	609 604 120.9 ✓	690.0 ✓	
		16517 ✓					38676 ✓			

F.B. 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 H.F. Naumann Weather Cloudy & Cool Inst. No. 50010
Notes by R.H. Hubbard Time 9:00 A.M. to 10:30 A.M. Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From B.M. 1-8 To B.M. 1-7
Date June 21, 1951
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
6	1649 1229 2810 3688 ✓	15.517 ✓ 1.229 ✓	420 419 83.9 ✓	690.0 1 774.9		8986 8560 8131 25677 ✓	38.276 ✓ 8.559 ✓	426 429 85.5 ✓	690.0 ✓ 775.5 ✓	
7	2679 1975 1271 5925 ✓	1.975 ✓	704 704 1408 ✓	5 915.7		8559 7860 7161 23580 ✓	7.860 ✓	699 690 139.8 ✓	915.3 ✓	
8	3721 3234 2749 9704 ✓	3.235 ✓	487 485 97.2 ✓	2 1012.9		7866 7361 6866 22081 ✓	7.360 ✓	493 495 98.8 ✓	1014.1 ✓	B.M. 1-7 See F.B. 1202-12 For Description
9	3941 3525 3110 10576 ✓	3.525 ✓	416 415 83.1 ✓	6 1095.0	68°	8333 7930 7528 23791 ✓	7.930 ✓	403 402 80.5 ✓	1094.6 ✓	Summation of Run B.M. 1-8 to B.M. 1-7
10										Total Backsights + 25.481 ✓ " Fore sights - 70.385 ✓ Diff in Elev. 44.904 ✓
		25.481 ✓					70.385 ✓			

F.B. 1202 PG. 98

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 CLOUDY Inst. No. 50010
Notes by SHINODA Time 9:00-10:00 P.M. Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-8 To B.M. 1-7
Date JUNE 22, 1951
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
	4394		564		64°	11663		483		B.M. 1-8
	3830		563			11180		484		SEE F.B. 1202-13
	3267		1127 ✓			10696		967 ✓		FOR DESCRIPTION
1.	11491 ✓	3830 ✓		112.7 ✓		33539 ✓	11180 ✓		96.7 ✓	
	1934		578			7146		922		
	1356		577			6224		922		
	0779		1155 ✓			5302		1844 ✓		
2.	4069 ✓	1356 ✓		228.2 ✓		18672 ✓	6224 ✓		281.1 ✓	
	5608		749			6283		700		
	4859		750			5583		700		
	4109		1499 ✓			4883		1400 ✓		
3.	14576 ✓	4859 ✓		378.1 ✓		16749 ✓	5583 ✓		421.1 ✓	
	5623		807			6416		613		
	4815		806			5723		694		
	4009		1614 ✓			5029		1387 ✓		
4	14447 ✓	4816 ✓		5~~49~~35		17168 ✓	5723 ✓		559.8 ✓	
	2762		733			11946		690		
	2029		731			11256		691		
	1298		1464 ✓			10565		1381 ✓		
5	6089 ✓	2030 ✓		685.9 ~~695.8~~		33767 ✓	11256 ✓		697.9 ✓	
		16801 ✓					39966 ✓			

F.B. 1202 PG. 99

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 CLOUDY Inst. No. 50010
Notes by SHINODA Time 10:00 TO 11:[illegible] AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4523
From B.M. 1-8 To B.M. 1-7
Date JUNE 22, 1951
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
	2455	1682 ✓	315	~~[illegible]~~ 685.3		[illegible]	[illegible]	304	[illegible] ✓	
	2140		313			7723		[illegible]		
	1827		628 ✓	748.7		7419		617 ✓		
6	6422 ✓	2141 ✓		~~[illegible]~~		23184 ✓	[illegible] ✓		7597 ✓	
	1956		506			7646		579		
	1420		500			7274		571		
	2953		7[illegible]	3[illegible] 9918		6703		1141 ✓		SUMMATION OF RUN
7	6329 ✓	1420 ✓				21821 ✓	[illegible] ✓		8738 ✓	B.M. 1-8 TO B.M. 1-7
	3395		674			8741		673		
	2721		719			8068		672		TOTAL BACKSIGHTS +26100 ✓
	2044		1351 ✓	3934		7396		1343 ✓		" FORESIGHTS −71.269 ✓
8	8165 ✓	2720 ✓		~~[illegible]~~		23137 ✓	[illegible] ✓		10281 ✓	DIFF IN ELEVATION −44.869 ✓
	3709		47[illegible]			9692		462		
	3232		477			8232		466		B.M. 1-7
	2755		95[illegible] ✓	10329		7766		932 ✓		SEE F.B. 1202-12
9	9684 ✓	3228 ✓			65°	24690 ✓	[illegible] ✓		11013 ✓	FOR DESCRIPTION

F.B. 1202 PG. 100

26100 ✓ [illegible] ✓

FORM 579 SM 7-50

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 SHINODA Time 8:30-11:00 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-8 To B.M. 1-7
Date JUNE 25, 1951
Indexed L. 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
1	[illegible] 7 [illegible] 1805	[illegible]	521 521 1042	1042	#7 62	9[illegible] 7[illegible] 2874	9.377	521 [illegible] 1025	1025	B.M. 1-8 SEE F.B. 1802-3 FOR DESCRIPTION
	[illegible] [illegible] 2260	[illegible]	[illegible] 1102 1123	2245		6797 6100 5401	[illegible]	[illegible] [illegible] 1397	2793	
3	5603 4174 4126	[illegible]	749 747 1497	2942		[illegible] 5564 4111	[illegible]	751 [illegible] 1501	3024	
4	5591 4332 [illegible]	[illegible]	[illegible] [illegible] [illegible]	5437		6352 5605 4757	[illegible]	747 748 1495	5419	
5	2910 2195 1410	2195	715 715 1430	6867		12012 11298 10581	11297	714 717 1431	6850	
		15030					27950			

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 [illegible] Inst. No. 50010
Notes by Shinoda Time [illegible] Rod No. 798

Name [illegible]
Job No. 4922
From 1-8 To 1-7
Date June 25, 1951
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
6	1415 0972 0530 2917	15.030 0.972	442 442 885	[illegible] 7752		[illegible] 8790 8346 26371	[illegible] [illegible]90	445 [illegible] 889	6850 7739	
7	2723 2021 1320 6064	2021	702 701 1403	9155		8409 7710 7011 [illegible]	[illegible]	699 699 1398	9137	
8	2311 1421 0529 4261	1.420	890 892 1782	10937	66°	10778 9815 8973 29626	9875	903 902 1805	10942	B.M. 1-7 SEE F.B. 1202-12 FOR DESCRIPTION
9										SUMMATION OF RUN B.M. 1-8 TO B.M. 1-7
				10937					10942	TOTAL BACKSIGHTS + 19.443 " FORESIGHTS − 64.325 DIFF IN ELEVATION − 44.882
		19.443					64.325			

F.B. 1202 PG. 102

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 2:45-3:45 Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From B.M. 1-8 To B.M. 1-7
Date JUNE 27, 19[illegible]
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
1	3152 2709 2261 8129	2710	443 441 884	88.4	#7 88°	8260 7937 7613 23810	7937	323 324 647	64.7	B.M. 1-8 SEE F.B. 1202 FOR DESCRIPTI[illegible]
2	2862 2373 1883 7118	2373	489 490 979	186.3		9027 8558 8088 25673	8558	469 470 939	158.6	
3	4895 4[illegible] 3818 13070	4357	538 539 1077	294.0		6092 5424 4758 16274	5425	668 666 1334	292.0	
4	5421 4826 4214 14463	4821	605 608 1213	415.3		5936 5339 4741 16016	5339	597 598 1195	411.5	
5	5395 4803 4208 14406	4802	592 595 1187	534.0		6147 5554 4958 16659	5553	593 596 1189	530.4	
		19064					32,210			

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 [illegible] Inst. No. [illegible]
Notes by S. SHINODA Time 2:45- [illegible] Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-8 To B.M. 1-7
Date JUNE 27, 1951
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
6.	4382 3784 3186 11352	19063 3784	598 598 1196	5340 6536		10252 9648 9047 28947	[illegible] 9[illegible]	604 601 1205	5304 6509	
7.	1611 1168 0723 3502	1167	443 445 888	7421		10350 9843 9336 29529	9[illegible]	507 507 1014	7523	
8	1896 1327 0757 3980	1327	569 570 1139	8523		7668 1145 6619 21432	7144	523 526 1049	8572	Summation of Run B.M. 1-8 to B.M. 1-7
9.	3421 2819 2217 8457	2819	602 602 1204	9761		8058 7456 6854 22368	7[illegible]56	602 602 1204	9776	Total Backsights 30.744 " Foresights - 75.637 Diff. in Elev - 44.893
10.	3188 2584 1980 7752	2584	604 604 1208	10975	85°	9335 8733 8132 26200	8[illegible]33	602 601 1203	10979	B.M. 1-7 See F.B. 1202-12 For Description
		30.744					7[illegible]37			

F.B. 1202 PG. 104

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 HUBBARD Time 10.30 TO 11.20 A.M. Rod No. 7 & 8

Name L. A. Co. Dept. of Sys. Level Net
Job No. 2923
From B.M. 1-8 To B.M. 1-9
Date JUNE 21, 1951
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
	6568		500		77.0°	5899		499		
	6068		500			5400		500		B.M. 1-8
	5568		100.0 ✓			4900		999 ✓		SEE F.B. 1202-3
1.	18204 ✓	6068 ✓		100.0	✓	16199 ✓	5400 ✓		999 ✓	FOR DESCRIPTION ✓
	5292		739			4877		765		
	4553		739			4132		763		
2	3814		147.8 ✓			3369		1528 ✓		
	13659 ✓	4553 ✓		147.8	✓	12398 ✓	4133 ✓		2527 ✓	
	7988		756			2968		745		
	7232		753			2223		743		
3	6479		1511 ✓			1480		1488 ✓		
	21693 ✓	7231 ✓		399.3	✓	6671 ✓	2224 ✓		4015 ✓	
	8487		745			2890		749		
	7742		742			2141		751		
4	7000		1487 ✓			1390		1500 ✓		
	23229 ✓	7743 ✓		5480	✓	6421 ✓	2140 ✓		5515 ✓	
	9057		635			1552		533		
	8422		639			1019		535		
5	7784		1273 ✓			0484		1068 ✓		
	25263 ✓	8421 ✓		6753	✓	3055 ✓	1018 ✓		6583 ✓	
		34616 ✓					14915 ✓			

F.B. [illegible] PG. 1057

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 Naumann Weather Cloudy Inst. No. 50010
Notes by Hubbard Time 10:30 To 11:20 a.m. Rod No. 248

Name L.A.Co Precise Level Net
Job No. 4923
From B.M. 1-8 To B.M. 1-9
Date 6-21-51
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
6	10219	34.016✓	551	675.3✓		1348	14.115✓	512	658.3✓	
	9668		550			0836		514		
	9118		110.1✓			0322		192.6✓		
	29005✓	9.668		785.4✓		2506✓	0.835		760.9✓	
7	8882		646			8011		268		B.M. 1-9
	8236		429			7243		771		SEE F.B. 1202-12
	7589		129.3✓			6472		163.9✓		FOR DESCRIPTION✓
	24707✓	8.236		914.7✓	68°	21726✓	7.242		919.8✓	
8										
F.B. 1202 PG. 106										Summation of Sum B.M. 1-8 to 1-9
										Total Backsights +51.920✓
										" Foresights -22.992✓
										Diff. in Elev. 28.928✓
		51.920✓					22.992✓			

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 Naumann Weather Cloudy Inst. No. 50010
Notes by Hubbard Time 11 20 a.m. To 12 15 am Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-9 To BM 1-8
Date 6-21-51
Indexed A. G. 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	7990 7212 6432 21,634 ✓	7,211 ✓	778 780 155.8 ✓	155.8 ✓	68°	8846 8207 7568 24621 ✓	8,207 ✓	639 639 1278 ✓	127.8 ✓	B.M. 1-9 SEE F B 1202 14 FOR DESCRIPTION ✓
2	1352 0843 0333 2528 ✓	0843 ✓	509 510 101.9 ✓	257.7 ✓		10229 9675 9122 29026 ✓	9,675 ✓	554 553 110.7 ✓	238.5 ✓	
3	1597 1065 0534 3196 ✓	1065 ✓	532 531 101.3 ✓	364.0 ✓		9109 8470 7832 25410 ✓	8,470 ✓	638 638 127.6 ✓	366.1 ✓	
4	2864 2119 1372 6355 ✓	2,118 ✓	745 747 149.2 ✓	513.2 ✓		8465 7713 6963 [illegible] ✓	[illegible] ✓	752 750 150.2 ✓	516.3 ✓	
5	3033 2283 1533 6849 ✓	2283 ✓	750 750 1500 ✓	663.2 ✓		8044 7293 6542 21879 ✓	7,293 ✓	751 751 1502 ✓	666.5 ✓	
		13,520 ✓					41,359 ✓			

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 R. H. HUBBARD Time 11 20 TO 12 15 A.M. Rod No. 7 & 8

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-9 To B.M. 1-8
Date JUNE 21, 1951
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
	4934	13520 ✓	765	663.2 ✓		5327	4[illegible]59 ✓	740	666.5 ✓	
	4169		7[illegible]			4587		739		
	3407		152.7 ✓			3848		147.9 ✓		
6	12510 ✓	8170 ✓		815.9 ✓		13762 ✓	4[illegible]87 ✓		814.4	
	5836		498			6506		499		
	5338		499			6007		500		B.M. 1-8
	4840		99.6 ✓			5507		99.9 ✓		SEE F.B. 1202-13
7	16014 ✓	5338 ✓		915.5 ✓	74°	18020 ✓	[illegible]7 ✓		914.3	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 1-9 TO B.M. 1-8
										TOTAL BACKSIGHTS +23.028 ✓
										" FORESIGHTS -51.953 ✓
										DIFF IN ELEVATION -28.925 ✓
		23.028 ✓					51.953 ✓			

F.B. 1202 PG. 108

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 Hubbard Time 3:00 - 4:00 Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-9 To B.M. 1-10
Date June 21, 195
Indexed R. C. Jo[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
1	7962 7151 6342 21455 ✓	7.152 ✓	811 809 1620 ✓	162.0 ✓	73° #7	4761 3965 3169 11895 ✓	3.965 ✓	796 796 1592 ✓	159.2 ✓	B.M. 1-9 SEE F.B. 120[illegible] - 1[illegible] FOR DESCRIPTION
2	3448 2699 1949 8096 ✓	2.699 ✓	749 750 149.8 9	311.8 9		5229 4469 3709 13407 ✓	4.469 ✓	760 760 152.0 ✓	311.2 ✓	
3	7874 7180 6485 21539 ✓	7.180 ✓	694 695 138.9 ✓	450.8 8		2883 2182 1482 6547 ✓	2.182 ✓	701 700 140.1 ✓	451.3 ✓	
4	8340 7670 7000 23010 ✓	7.670 ✓	670 670 134.0 ✓	584.8 8		3600 2923 2248 8771 ✓	2.924 ✓	677 675 135.2 ✓	586.5 ✓	
5	6863 6157 5450 18470 ✓	6.157 ✓	706 705 141.1 3	725.9 6.1		2432 1733 1034 5199 ✓	1.733 ✓	699 699 139.8 ✓	726.3 ✓	
		30.859 ✓					15.273 ✓			

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 Naumann Weather Clear Inst. No. 50010
Notes by Hubbard Time 3:00 - 4:00 Rod No. 7 & 8

Name L.A.C. Precise Level Net
Job No. 4923
From BM 1-9 To BM 1-10
Date 6-21-51
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	6710 6210 5709 18629 ✓	30854 ✓ 6210 ✓	502 501 100.1 ✓	~~725.8~~ 6.1 62 8259	74°	4303 3810 3317 11430 ✓	15273 ✓ 3810 ✓	493 493 98.6 ✓	7263 ✓ 8249 ✓	STARTED AT 4:00 PM 6-21-51 FINISHED AT 10:30 PM 6-22-51
7	8074 7268 6462 21804 ✓	7268 ✓	806 806 1612 ✓	4 9874	64°	3617 2824 2033 8461 ✓	[illegible] ✓	793 793 1586 ✓	7843 ✓	
8	8560 7770 6980 23310 ✓	7770 ✓	790 790 1580 ✓	4 11454		3450 2645 1840 7935 ✓	[illegible] ✓	805 805 1610 ✓	11453 ✓	
F.B. 202 PG. 110 9	8298 7501 6703 22502 ✓	7501 ✓	797 798 1595 ✓	9 13043		5203 3001 2199 10403 ✓	[illegible] ✓	802 802 1604 ✓	[illegible] ✓	
F.B. 202 PG. 110 10	7275 6480 5685 19440 ✓	6480 ✓	795 795 1590 ✓	9 14633		5479 4678 3877 14034 ✓	4678 ✓	801 801 1602 ✓	14659 ✓	
		60087 ✓					32[illegible] ✓			

FORM 379 5M 7-40

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Chief of Party NAUMAN Weather CLOUDY Inst. No. 50010
Notes by [illegible] Time 11:30-2:00 Rod No. 7 & 8

Name [illegible]
Job No. 4923
From BM 1-9 To [illegible]
Date 6-22-51
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
11	6400 5610 4[illegible] 16830	6[illegible] 5610	800 800 1600	1623 9 1623 9		6255 5450 4645 16350	32227 5450	805 805 610	14659 16229	
12	[illegible] 5235 4533 15706	5235	703 702 405	1764 4		6713 5915 5114 17742	5914	798 801 1599	17868	
13	4958 4149 3340 12447	4[illegible]	809 809 1618	8254 62	68°	7242 6551 5861 19654	6551	691 690 1381	19249	Noon [illegible]
14	4142 3341 2540 10023	3341	801 801 1602	2086 4	68°	7974 7279 6583 21836	7279	695 696 1391	22640	
15	3031 2229 1425 6685	2228	802 804 1606	2247 70		9800 9101 8402 27303	9101	699 699 1398	22038	
		86650					66522			

F.B. [illegible] PG. 111

FORM 379 5M 7-40

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party: NAUMANN Weather: CLOUD Inst. No.: 50010
Notes by: SHINODA Time: 11:30 & 2:00 Rod No.: 7 & 8

Name: L.A.C. PRECISE LEVEL NET
Job No.: 4923
From: BM 1-9 To: BM 1-10
Date: 6-22-51
Indexed: H. 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
16	1090 1040 0389 3119	86650 ✓ 1040 ✓	650 651 1301 ✓	2[illegible] 70 71 237[illegible]		10931 10185 9431 30555	[illegible] ✓ [illegible] ✓	746 746 1492 ✓	22038 ✓ 23530	
17	2366 1763 1162 5291	1764 ✓	603 601 1204 ✓	24975		10181 9481 8781 28443	[illegible] ✓	700 700 1400 ✓	24930	SUMMATION OF RUN B.M. 1-9 TO B.M. 1-10
18	1871 1229 0585 3685	1228 ✓	642 644 1286 ✓	61 26258		9958 9300 8643 27901	9[illegible] ✓	658 657 1315 ✓	26245	TOTAL BACKSIGHTS + 93523 ✓ " FORESIGHTS − 103454 ✓ DIFF IN ELEVATION − 9.931 ✓
19	3263 2841 2419 8523	2841 ✓	422 422 844 ✓	27105	76°	8385 7966 7546 23897	[illegible] ✓	419 420 839 ✓	27084	B.M. 1-10 SEE F.B. 1202-15 FOR DESCRIPTION
20										
		93523 ✓					103454 ✓			

F.B. 1202 PG. 112

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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time [illegible] Rod No. 7 & 8

Name L. H. Co. Pre[illegible]
Job No. 4923
From B.M. 1-9 To [illegible]
Date JUNE 8
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
	[illegible]		[illegible]		#7	[illegible]		[illegible]		B.M. 1-9
	85[illegible]		[illegible]			[illegible]		[illegible]		SEE F.B. 120[illegible]
	[illegible]		[illegible]			4612		[illegible]		FOR DESCRIPTION
	[illegible]	[illegible]		156.5	62°	[illegible]	[illegible]		[illegible]	
	3576		754			5369		[illegible]		
	2849		755			4607		[illegible]		
	2081		1509			[illegible]		[illegible]		
	8525	[illegible]		3074		13823	4608		3082	
	[illegible]		688			[illegible]		706		
	7204		[illegible]			2223		705		
	6515		1377			1518		1411		
	21611	7.204		4451		6670	2.223		4493	
	8476		[illegible]			3733		669		
	7797		679			3064		6[illegible]		
4	[illegible]18		[illegible]			2395		[illegible]		
	23391	[illegible]		5809		[illegible]	3.064		5831	
	[illegible]		652			[illegible]		746		
	[illegible]		652			2747		748		
5.	[illegible]		1304			1999		1494		
	[illegible]507	7.1[illegible]		[illegible]		8239	2.746		7325	
		32.601					8.034			

F.B. [illegible] PG. 113

FORM 379 5M 7-40

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Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINOSA Time [illegible] Rod No. 7 & 8

Name [illegible] Precise Level Net
Job No. 4923
From [illegible] To [illegible]
Date [illegible]
Indexed H. 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.	[illegible]	33601	[illegible]	[illegible]		[illegible]	[illegible]	497	732.5	
	6620		[illegible]			[illegible]		[illegible]		
	6127		[illegible]			[illegible]		[illegible]		
	19860	6620		[illegible]		[illegible]	[illegible]		8320	
7	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	
8	8527		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	23158	7719		[illegible]		[illegible]	[illegible]		[illegible]	
9	[illegible]		[illegible]			[illegible]		[illegible]		
	7472		[illegible]			[illegible]		[illegible]		
	6673		[illegible]			[illegible]		[illegible]		
	[illegible]	7472		[illegible]		[illegible]	[illegible]		[illegible]	
10	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	5527		[illegible]			374		[illegible]		
	18993	6331		[illegible]		[illegible]	[illegible]		[illegible]	
		[illegible]					[illegible]			

F.B. 1202 PG. 114

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [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
11	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
13	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
14	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
15	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]					[illegible]			

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

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. [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible] LEVEL NET
Job No. [illegible]
From [illegible] To [illegible]
Date JUNE [illegible]
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
	1545		647	22221		10.797		749	52008	
	0.898		649			10.048		749		
	0.249		1296			9.299		1498		
16	2692	10.897		23517		30144	10.048		23706	
	1914		652			9638		650		
	1.262		654			8.988		648		
	0.608		1306			8340		1298		SUMMATION OF RUN
17	3.784	1.261		24823		26966	8.989		25004	B.M. 1-9 TO B.M. 1-10
	1.630		681			9645		621		
	0.949		681			9.024		621		TOTAL BACKSIGHTS + 95405
	0.268		136.2			8403		1242		" FORESIGHTS − 105409
18	2.847	0.949		2618.5		27072	9.024		2624.6	DIFF IN ELEVATION − 10.005
	3247		434			8358		415		
	2813		433			7.943		412		B.M. 1-10
	2380					7531		827		SEE F.B. 1202-15
19	8.440	2.813	867	27052		23.832	7.944		2707.3	FOR DESCRIPTION
					78					

95405 ✓ 105409 ✓

F.B. 1202 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 [illegible] Weather Cloudy Inst. No. 50010
Notes by [illegible] Time 2:30-4:00 Rod No. 7 & 5

Name L.A. [illegible]
Job No. 4923
From BM [illegible] To [illegible]
Date [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
1.	8344 7923 7503 23770	7.923	421 420 841	841	76° #7	3223 2799 2373 8395	2.798	424 426 850	850	B.M. 1-10 SEE F.B. 1208 15 FOR DESCRIPTION
2.	9763 [illegible] 8465 27242	9.114	649 649 1298	2139		1687 [illegible] 0383 3126	1.035	[illegible] [illegible] 1304	2154	
3.	[illegible] [illegible] [illegible] 26681	8.894	[illegible] 647 [illegible]	3435		[illegible] 1167 0[illegible] 3503	1.168	655 653 1308	3462	
4.	[illegible] 105[illegible] [illegible] 31532	10.51[illegible]	838 839 1677	5112		[illegible] [illegible] [illegible] 4[illegible]4	[illegible]	55[illegible] 557 [illegible]	4[illegible]8	
5.	10015 9261 8507 27783	9.261	[illegible] 754 1508	6620		[illegible] 2384 1638 7154	2.385	748 [illegible] 1494	6072	
		45703					8751			

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by SHINOBA Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. 4928
From [illegible] To [illegible]
Date [illegible]
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	2059 7363 6666 22088	4.5703 7.363	696 697 1393	[illegible] 8013		4328 3426 2624 10278	[illegible] 3.426	802 802 1604	6072 7676	
7	7213 6517 5820 19550	[illegible] 6.517	696 697 1393	9406		4116 4113 [illegible] 12336	[illegible]	803 806 1609	9285	
8	6480 5747 5015 17242	5.747	733 732 1465	10[illegible]		5826 5057 4287 15170	[illegible]	769 [illegible] 1539	10824	
9	6104 5308 4512 15924	5.308	796 796 1592	12463		6279 5460 [illegible] 16408	5.469	810 809 1619	12443	
10	5452 4654 3859 13965	4.655	797 795 1593	1405[illegible]		7257 6460 5663 19380	6.460	797 797 1592	14037	
	[illegible]					[illegible]				

F.B. 1202 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 [illegible] Weather [illegible] Inst. No. 50010
Notes by [illegible] Time 2:00-4:00 PM Rod No. 7 [illegible]

Name [illegible]
Job No. 4923
From B[illegible] To [illegible]
Date [illegible]
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
11.	3775	75293 ✓	805	1405.6 ✓		8264	33275 ✓	797	14057 ✓	
	2970		805			7467		797		
	2165		1610 ✓			6670		1594 ✓		
	8910 ✓	2.970		1566.6 ✓		22401 ✓	7.467		15631 ✓	
12	3316		800			8444		802		
	2516		801			7642		799		
	1715		1601 ✓			6843		1601 ✓		
	7547 ✓	2.516		1726.7 ✓		22929 ✓	7.643		17232 ✓	
13	3476		796			7940		807		
	2680		799			7133		807		
	1881		1595 ✓			6326		1614 ✓		
	8037 ✓	2.679		1886.2 ✓		21399 ✓	7.133		18846 ✓	
14	4708		499			7099		492		
	4209		499			6607		494		
	3710		998 ✓			6113		986 ✓		
	12627 ✓	4.209		1926.0 ✓		19819 ✓	6.606		19832 ✓	
15	3787		6 ~~7~~97			8214		702		
	3090		6 ~~7~~97			7512		702		
	2393		1594 ✓			6810		1404 ✓		
	9270 ✓	3.090	3	2125.4		22536 ✓	7.512		21236 ✓	
		90757 ✓					69636 ✓			

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 NAUMANN Weather CLEAR Inst. No. 50-10
Notes by [illegible] Time 200 - 400 Rod No. 788

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
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
16	3811 3170 2529 9510	90757 ✓ 3170 ✓	641 641 1282 ✓	21454 2 5 22236		8607 7923 8197 23707 ✓	6[illegible]36 ✓ [illegible] ✓	704 706 1410 ✓	21236 ✓ 22646 ✓	
17	3022 2340 1658 7020 ✓	2340 ✓	682 682 1364 ✓	2390.0 100		8048 [illegible]33 6620 22001 ✓	7334 ✓	715 713 1428 ✓	24074 ✓	SUMMATION OF RUN B.M. 1-10 TO B.M. 1-9
18	5280 4492 3705 13477 ✓	4492 ✓	788 785 1573 ✓ 5	47.5 [illegible]		3457 2733 2210 8200 ✓	[illegible] ✓	724 723 1447 ✓	25521 ✓	TOTAL BACKSIGHTS + 106,209 ✓ " FORESIGHTS - 96,249 ✓ DIFF IN ELEVATION + 9.960 ✓
19	[illegible] 5449 4703 16349 ✓	5450 ✓	748 7[illegible] 1484 ✓	2696.9 ~~2716.9~~	76°	[illegible] 8642 7827 25932 ✓	8[illegible]14 ✓	717 717 1434 6	2715.5 ~~26955~~	B.M. 1-9 SEE F.B. 1202-14 FOR DESCRIPTION
		106209 ✓					96249 ✓			

F.B. 1202 PG. 120

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 10:15-2:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-10 To B.M. 1-9
Date June 25, 1951
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
	8402		420		#7	3275		425		B.M. 1-10
	7982		419			2850		425		SEE F.B. 1202-15
	7563		839			2425		850		FOR DESCRIPTION
1.	23947	7.982		839	66	8550	2.850		850	
	9910		648			1841		652		
	9262		649			1189		653		
	8613		1297			0536		1305		
2.	27785	9.262		2136		3566	1.189		2155	
	9839		649			2119		655		
	9190		649			1464		654		
	8541		1298			0810		1309		
3.	27570	9.190		3434		4393	1.464		3464	
	10967		742			1729		654		
	10225		743			1075		654		
	9482		1485			0421		1308		
4	30674	10.225		4919		3225	1.075		4772	
	9959		714			3157		789		
	9245		715			2368		791		
	8530		1429			1577		1580		
5.	27734	9.245		6348		7102	2.367		6352	
		45904					8.945			

F.B. 1202 PG. 121

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 E. Sanoth Time 10:15 2:00 Rod No. 7 & 8

Name L. A. Co. Precise Level Net
Job No. 4925
From B.M. 1-10 To B.M. 1-8
Date June 25, 1951
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
6	8496	15904	748	6348		4550	[illegible]	750	6354	
	7748		748			3800		750		
	7000		746			3050		1500		
	23244	7748		7844		11400	[illegible]		7854	
7	7456		746			5049		754		
	6690		748			4295		754		
	5942		1494			3541		1508		
	20068	6689		9338		12885	4295		9360	
8	6728		743			6052		754		
	5984		745			5298		751		
	5239		1488			4547		1511		
	17951	5984		10826		17297	5765		10871	
9	6314		800			6408		799		
	5510		800			5609		800		
	4700		1600			4809		1599		
	16524	5510		12345		17026	5675		12470	
10	5301		801			7040		795		
	4500		800			6295		745		
	3700		1601			5500		1590		
	13501	4500		14035		18835	6295		14060	
		76295					34521			

F.B. 1202 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. [illegible] Weather Cloudy Inst. No. 50010
Notes by S. [illegible] Time 10:15-2:00 P.M. Rod No. 74-8

Name L.A.C. [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date June 25, [illegible]
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
11	3[illegible] 76.325		8[illegible]4	1403.5		8317	74.281	796	1406.5	
	3026		806	6		7521		798		
	[illegible]		1610			6723		1594		
	[illegible]	70.125		15645		[illegible]	71.520		15654	
12	3512		700			7431		796		
	2812		800			[illegible]		795		
	[illegible]		600	6		6640		594		
	[illegible]	72.512		12246		[illegible]	72.635		12245	
13	5526		796			7288		807		
	3730		795			[illegible]		809		
	1935		1591	7		6472		1616		
	8191	72.130		18835		[illegible]	71.120		18861	
14	4718		499			7114		499		
	4219		497			6615		499		
	2722		996	3	74°	6115		499		
	1659	74.220		19832		19874	66.15		19860	OUT TO LUNCH
15	3548		706			7960		689		
	9842		704			7271		692		
	2138		1410	3		6579		1381		
	8528	70.843		21243		21810	77.270		21241	
		91.665					70.501			

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. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10.15-2:00 [illegible] Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From B.M. [illegible] To B.M. [illegible]
Date JUNE 25, 1951
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
16	3551	91.665 ✓	681	21248 3		8267	72.[illegible] ✓	665	[illegible] ✓	
	2870		682			7602		664		
	2188		1363 ✓			6938		1329 ✓		
	8609 ✓	2870 ✓		22605 6		22807 ✓	7[illegible] ✓		22570 ✓	
17	2639		788			7443		605		
	1851		728			6836		608		
	1063		1576 ✓			6228		1213		
	5553 ✓	1.851 ✓		24181 3		20507 ✓	6[illegible]36 ✓		23783 5	SUMMATION OF RUN B.M. 1-10 TO B.M. 1-9
18	5201		761			3410		731		
	4440		761			2679		732		TOTAL BACKSIGHTS +106.481 ✓
	3679		15[illegible] ✓			1947		1463 ✓		" FORESIGHTS − 96.469 ✓
	13320 ✓	4.440 ✓		25703 4		8036 ✓	2[illegible]79 ✓		23246 4	DIFF IN ELEVATION + 10.012 ✓
19	6308		652			9759		908		
	5656		654			8851		908		B.M. 1-9
	5002		1306 ✓			7943		1816 ✓		SEE F.B. 1202-14
	16966 ✓	5.655 ✓		27002 10	80°	26552 ✓	8.[illegible] ✓		27062 4	FOR DESCRIPTION
20										
		106.481 ✓					96.[illegible]69 ✓			

F.B. 1202 PG. 124

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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:15 TO 10:00 AM Rod No. 7 & 8

Name L. A. Co. PRECISE [illegible]
Job No. 4923
From 1-10 To 1-[illegible]
Date JUNE 2[illegible] 195[illegible]
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
1	53[illegible] 4715 406[illegible] 14145 ✓	4.715 ✓	652 65[illegible] 1304 ✓	[illegible] ✓	#7 62[illegible]	3435 2788 2140 8363 ✓	2.788 ✓	647 648 1295 ✓	129.5 ✓	B. M. 1-10 SEE F.B. 1202-[illegible]5 FOR DESCRIPTION
2	65[illegible] 594[illegible] 52[illegible] 1[illegible] ✓	5.942 ✓	648 650 1[illegible] ✓	[illegible] ✓	1	7818 7151 6486 21455 ✓	7.152 ✓	667 665 133.2 ✓	262.7 ✓	
3	[illegible] 4933 4[illegible] 14801 ✓	4.934 ✓	655 653 1308 ✓	391.0 ✓		4[illegible] 4130 3480 12390 ✓	4.130 ✓	650 650 1300 ✓	392.7 ✓	
4	68[illegible] 6[illegible] 554[illegible] 18619 ✓	6.206 ✓	657 659 1316 ✓	522.6 ✓		44[illegible] 3827 3[illegible] 11481 ✓	3.827 ✓	6[illegible] 641 128[illegible] ✓	520.9 ✓	
5	66[illegible] [illegible] 5[illegible] [illegible] ✓	[illegible] ✓	649 649 1298 ✓	6[illegible] ✓		4782 4127 3[illegible] 2382 ✓	4.127 ✓	655 654 130[illegible] ✓	651.8 ✓	
		27.806 ✓					22.[illegible] ✓			

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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8[15] TO 10[00] A.M. Rod No. 7[illegible]8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From 1-10 To 1-11
Date JUNE 26 1951
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
6	6740 [illegible] 5446 18273	27.806 6.098	6[illegible] 652 1[illegible]	65[illegible]		[illegible] 3716 3136 [illegible]	[illegible]	649 652 1[illegible]	65[illegible]	
7	[illegible] 6575 [illegible] 19726	575	653 6[illegible] 1305	[illegible]		4335 3616 3034 11056	[illegible]	[illegible] [illegible] 1302	[illegible]	
8	[illegible] [illegible] 6347 [illegible]	[illegible]	[illegible] [illegible] 1302	[illegible]		[illegible] [illegible] 2429 [illegible]	[illegible]	[illegible] 653 1304	[illegible]	
9	[illegible] [illegible] [illegible] 25.067	8.356	652 [illegible] 1305	[illegible]		[illegible] [illegible] 0609 [illegible]	[illegible]	[illegible] [illegible] [illegible]	[illegible]	
10	[illegible] 7.113 6462 21338	7.113	650 65[illegible] 1301	[illegible]		4[illegible] 4[illegible] 3542 [illegible]575	[illegible]	[illegible] 650 1[illegible]	[illegible]	
		62.84					38.22			

F.B. 1202 PG. 126

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 8:15-10:00 AM Rod No. 7 & B

Name L. A. Co. Precise Survey
Job No. 4923
From P.M. 1-10 To
Date June [illegible]
Indexed 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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	28.022	[illegible]	[illegible]	
	[illegible]		651			3551		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]		[illegible]		[illegible]	2551		[illegible]	
[illegible]	[illegible]		636			3172		653		
	[illegible]		648			[illegible]		[illegible]		
	7045		[illegible]			[illegible]		[illegible]		
	[illegible]	7.692	9	1563		7555	[illegible]		1565.4	
[illegible]	[illegible]		656			[illegible]		647		
	[illegible]		654			[illegible]		648		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	7.5[illegible]		4		[illegible]	2.550		[illegible]	
[illegible]	[illegible]		658			[illegible]		[illegible]		
	7584		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	7.585		6		[illegible]	[illegible]		[illegible]	
[illegible]	[illegible]		[illegible]			[illegible]		[illegible]		
	7527		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			1656		[illegible]		
	[illegible]	7.5[illegible]		4		[illegible]	2.[illegible]		[illegible]	
		100947					50.[illegible]			

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. [illegible] Weather Cloudy Inst. No. [illegible]
Notes by S. Shinoda Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. 4723
From [illegible] To [illegible]
Date [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
16	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]		
	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]		SUMMATION OF RUN B.M. 1-10 TO B.M. 1-11
F.B. 1202 PG. 12	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]		TOTAL BACKSIGHTS + 141.971 " FORESIGHTS − 61.266 + 80.705
	[illegible]		[illegible]	2553.9		[illegible]		[illegible]	37.8	B.M. 1-11 SEE F.B. 1202-16 FOR DESCRIPTION
		141.971					61.266			

FORM 379 5M 7-40

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
Indexed [illegible] 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]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	B.M. 1-10 SEE F.B. 120 [illegible] ~15 FOR DESCRIPTION
2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]					[illegible]			

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 8:30 - [illegible] Rod No. 7 [illegible]

Name L.A. Co. Precise Level Net
Job No. 4923
From [illegible] To [illegible]
Date June [illegible]
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
6	[illegible]	[illegible]	6 [illegible]	[illegible]		[illegible]	[illegible]	[illegible]	6506	
	[illegible]		[illegible]			3694 [illegible]		[illegible]		
	[illegible]		1301			[illegible]		1300		
	[illegible]	[illegible]		7[illegible]		[illegible]	[illegible]		7806	
	7178		[illegible]			[illegible]		65[illegible]		
	65[illegible]		651			[illegible]		650		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	
	7541		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		65[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	20[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	
9	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	24815	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	
1	7761		[illegible]			[illegible]		[illegible]		
	7110		651			4[illegible]		648		
	6459		[illegible]			3545		648		
	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		13000	
		62609					[illegible]			

F.B. 1202 PG. 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 Cloudy Inst. No. 50010
Notes by [illegible] Time 7:30-10:30 A.M. Rod No. 785

Name [illegible]
Job No. 4922
From BM [illegible] To [illegible]
Date June 27, [illegible]
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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	

F.B. [illegible] PG. 131

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
Indexed M. 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
16	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
17	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
18	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	SUMMATION OF RUN B.M 1-10 TO B.M 1-11
F.B. 1202 PG. 132 19	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	TOTAL BACKSIGHTS + 140.747 " FORESIGHTS - 60.051 DIFF IN ELEVATION 80.696
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	B.M 1-11 SEE F.B. 1202-16 FOR DESCRIPTION
		140.747					60.051			

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
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
1	[illegible]	[illegible]	[illegible]	[illegible]	#1	[illegible]	[illegible]	[illegible]	[illegible]	B.M 1-11 SEE F.B. 1202 16 FOR DESCRIPTION
2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	1340	6	
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
5	[illegible] 1560	[illegible]	652	590		8373 7727 7012	[illegible]	[illegible]	4	
		[illegible]					10.[illegible]			

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 [illegible] Weather CLEAR Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible] Precise Level [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
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
[illegible]	2836 [illegible] [illegible] [illegible]	[illegible] 2179	[illegible] [illegible] 1314	[illegible]		[illegible] [illegible] [illegible] [illegible]	[illegible]	[illegible] [illegible] [illegible]	[illegible] 4 7 7225	WEATHER CLEAR FROM 1130
[illegible]	2780 2116 1449 6345	2115	664 667 1331	8554		7492 6804 6155 [illegible]	[illegible]	668 669 1337	8564	
[illegible]	2723 2063 1403 6189	2063	660 660 1330	9874		[illegible] [illegible] [illegible] [illegible]	[illegible]	661 660 1321	9885	
[illegible]	2787 2338 1688 7213	2338	649 650 1299	11173		8166 7511 6859 [illegible]	[illegible]	[illegible] [illegible] 1307	11192	
10	2397 2347 1699 7043	2348	652 648 1298	12471		8148 7497 6846 [illegible]	[illegible]	651 651 1302	12494	
	21351					[illegible]				

F.B. 1202 PG. 134

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
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
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]		[illegible]			[illegible]		[illegible]	[illegible]	
	[illegible]		[illegible]			[illegible]		[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
12	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
13	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
14	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
15	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]					[illegible]			

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 [illegible] Weather [illegible] Inst. No. 500 [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name L.A.C. Precise Level Net
Job No. 49[illegible]
From B.M. 1-11 To B.M. 1-10
Date [illegible] 1951
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
16	4[illegible]	37.230 ✓	651	189[illegible] ✓		6666	11[illegible] ✓	653	~~[illegible]~~ 1900.3	1 HOUR OUT TO LUNCH.
	4129		64[illegible]			6013		653		
	3480		1300 ✓			3360		1306 ✓		
	12387 ✓	4.13[illegible] ✓		2227.4 ✓	78	18039 ✓	6[illegible] ✓		309 ~~[illegible]~~	
17	4469		651			6847		648		
	3811		652			6199		651		
	3166		1303 ✓			5548		1299 ✓		
	11453 ✓	3.018 ✓		21577 ✓	80	18594 ✓	6[illegible]8 ✓		21 ~~[illegible]~~ 608	
18	4727		650			5537		654		
	4077		65[illegible]			4883		652		
	3427		13[illegible] ✓			4231		1306 ✓		SUMMATION OF RUN
	12231 ✓	4.077 ✓		22877 ✓		14651 ✓	4[illegible] ✓		229 ~~[illegible]~~ 14	B.M. 1-11 TO B.M. 1-10
19	7717		661			6500		651		
	7056		661			5849 ✓		651		TOTAL BACKSIGHTS + 59.144 ✓
	6395		1322 ✓			5198		1302 ✓		" FORESIGHTS − 139.885 ✓
	21168 ✓	7.056 ✓		24199 ✓		17547 ✓	5[illegible] ✓		24[illegible] 16	DIFF IN ELEVATION − 80.741 ✓
20	3[illegible]		647			5413		652		
	2833		646			4761		652		B.M. 1-10
	2187		1293 ✓			4109		1304 ✓		SEE F.B. 1202-15
	8500 ✓	2833 ✓		2549.2 ✓	84	14283 ✓	4[illegible] ✓		255 ~~[illegible]~~ 20	FOR DESCRIPTION
		59.144 ✓					13[illegible]5 ✓			

F.B. 1202 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. NEUMANN Weather CLEAR Inst. No. 50015
Notes by S. SHINODA Time 10:50-1:45 PM Rod No. 755

Name L. A. Co. Flood Control
Job No. 4923
From BM 1-11 To [illegible]
Date June 7, [illegible]
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	3559 3177 [illegible] [illegible]	3177	382 382 [illegible]	[illegible]	#1 76°	[illegible] 7677 7206 [illegible]	7677	471 471 942	942	B.M. 1-11 SEE F.B. 1208 16 FOR DESCRIPTION
2	[illegible] [illegible] [illegible] [illegible]	[illegible]	604 604 1208	1212		[illegible] [illegible] [illegible] [illegible]	8803	256 [illegible] [illegible]	2052	
3	[illegible] 1730 1129	1430	662 661 1323	3295		8205 8160 7815	8160	45 45 90	3295	
4	2440 1790 1145	1796	650 651 1301	4596		[illegible] 8162 7510	8162	652 652 1304	4596	
5	2146 [illegible] 1415	[illegible]	665 666 1331	5929		8218 [illegible] [illegible]	[illegible]	632 632 1264	5915	
		[illegible]					10,3[illegible]			

F.B. 1208 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 A. F. Nash Weather Clear Inst. No. 50010
Notes by E. Shinoda Time 1:30-1:45 Rod No. [illegible]

Name L.A.C. Precise Level Net
Job No. 4[illegible]
From [illegible] To BM 1-16
Date [illegible]
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
6	2647 2283 1370	9.96	[illegible] 664 [illegible]	[illegible]		[illegible] 7043 6606	[illegible]	687 63[illegible] 27[illegible]	5915	
	6125	[illegible]		7258		[illegible]	[illegible]		7129	
7	3809 [illegible] [illegible]		64[illegible] 64[illegible] 1497			8128 [illegible] [illegible]		658 657 1315		
	7982	[illegible]		2565		[illegible]	[illegible]		2504	
8	2990 2348 1705		642 642 1485			7961 7303 6646		658 658 1316		
	7043	2.348		4940		21909	[illegible]		4920	
9	2971 2325 1679		[illegible] 646 1292			[illegible] 7500 6848		[illegible] 652 1304		
	6975	2.325		[illegible]		[illegible]	[illegible]		11220	
10	2983 2337 1690		647 647 [illegible]			8137 7483 6830		654 654 1307		
	7010	2.337		12[illegible]		22450	[illegible]		12429	
		21.49					77.14			

F.B. 1202 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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by S. Shinoda Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date June [illegible]
Indexed E. 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
11	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
12	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
13	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]				[illegible]	[illegible]			

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. [illegible] Time 10:30 - 11:45 [illegible] Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-11 To B.M. 1-10
Date JUNE 27, 1951
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
16	4831 4186 3539 12556	37.165 4.185	644 647 1294 2	1[illegible] 6 2[illegible]		672[illegible] 6068 5414 17224	[illegible] [illegible]	654 654 1308	1895.4 2026.2	
17	4431 3089 3144 11364	[illegible]	642 645 1287	2151.5		6[illegible] 6105 5508 18496	[illegible] [illegible]	658 657 1315	2157.7	
18	4758 4092 3429 12279	4.093	666 663 1329	2284.4		5538 4895 4253 14686	[illegible] [illegible]	642 642 1284 5	2286.1	SUMMATION OF RUN B.M. 1-11 TO B.M. 1-10
19	7789 7130 6472 21391	7.130	658 658 1317	2416.1		6570 5924 5278 17772	5.924	646 646 1292	2415.3 4	TOTAL BACKSIGHTS +59.046 " FORESIGHTS - 139.775 DIFF IN ELEVATION - 80.729
20	3331 2686 2037 8256	2.685	645 647 1292	2545.3	86[illegible]	5263 4613 3962 13838	4.[illegible]3	650 651 1301	2545.4 5	B.M. 1-10 SEE F.B. 1202-15 FOR DESCRIPTION
		59.046					139.775			

F.B. 1202 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 1:15- 4:00 P.M. Rod No. 788

Name L.A.Co. Engrs. & Surv. Net
Job No. 4928
From BM 1-11 To B 11-10
Date JUNE 29, 1951
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
1	3377 3815 4192 7992	3.815	962 362 724	72.4	#9 83°	8207 7814 7422 23443	7.814	395 392 785	78.5	B.M. 1-11 SEE F.B. 1202 FOR DESCRIPTION
2	[illegible] 1021 2020 3061	1.020	593 595 1188	119.2		9692 9018 8354 27064	9.018	664 664 1328	132.8	
3	2481 1799 1121 5401	1.800	682 678 1360	327.2		8697 8029 7401 24027	8.029	626 628 1254	336.4	
4	2427 1756 1082 5265	1.755	671 674 1345	461.7		8747 8116 7486 24349	8.116	631 630 1261	426.3	
5	2265 2020 1432 6265	2.088	653 655 1308	592.5		8242 7592 6951 22791	7.597	644 647 1291	592.1	
		9.978					40.574			

F.B. PG. 141

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 1:15 - 4:00 Rod No. 7 & 8

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-11 To B.M. 1-10
Date JUNE 29, 1951
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
6.	2778 2117 1457 6352	4.978 2.117	661 660 1321	5925 7246		7966 7324 6684 21974	44.774 7.325	642 640 1282	5921 7203	
7	835 2709 2068 8132	2710	643 640 1283	8500		8076 7414 6753 22243	7.414	662 661 1323	8524	
8	3029 2378 1725 7132	2377	651 653 1304	9833		7984 7331 6686 22007	7.336	647 651 1298	9822	
9	3132 2484 1136 7752	2484	648 648 1296	11129		8348 7657 7004 22969	7.656	651 653 1304	11128	
10	3353 2699 2041 8093	2698	654 658 1312	12441		8488 7843 7201 23532	7.844	645 642 1287	12415	
		22.364					78.49			

F.B. 1202 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. NEUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHIMODA Time 1:15-4:00 P.M. Rod No. 780

Name L.A. Co. [illegible]
Job No. 4925
From [illegible] To [illegible]
Date JUNE 29 195[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
11	4848 4199 3548 12595	[illegible] 4.198	649 651 1300	12441 13741		7766 7116 6466 21348	[illegible] 7.1[illegible]	650 650 1300	12413 13715	
12	1948 1307 0653 3902	1.301	647 648 1295	15036		9056 8400 7747 25203	8.401	656 653 1309	15024	
13	3766 3[illegible]4 2461 9341	3.1[illegible]4	652 653 1305	16341		7675 7024 6373 21072	7.024	651 651 1302	16326	
14	[illegible] 3708 3059 11127	3.709	652 649 1301	17642		7257 6602 5949 19808	6.603	655 653 1308	17634	
15	[illegible] [illegible] 3166 11448	3.816	648 651 1299	18941		6778 6127 5476 18381	6.127	651 651 1302	18936	
		38.502					113.420			

F.B. [illegible] PG. 143

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. Nauman Weather CLEAR Inst. No. 50010
Notes by S. SHINDOR Time 11:15- Rod No.

Name L.R. 80 Transverse Levs. Net
Job No. 7925
From BM 1-11 To BM 1-10
Date JUNE 21 1951
Indexed K. 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
16.	4850	32.500	648	18941		6737	4.420	653	18987 6	
	4202		652			6084		651		
	3550		1300			5433		1304		
	12602	4.201		30541		18254	6.085		30238 40	
17.	4522		646			6911		653		
	3876		649			6258		654		
	3227		1295			5604		1307		
	11625	3.875		21536		18773	6.258		21545 7	
18	4890		648			5702		653		
	4242		650			5049		655		
	3592		1298			4394		1308		
	12724	4.241		22854		15145	5.048		22857 5	SUMMATION OF RUN BM 1-11 TO BM 1-10
19	7928		646			6783		657		
	7282		644			6074		661		
	6638		1290			5413		1318		
	21848	7.283		24124		18270	6.090		24127 5	TOTAL BACKSIGHTS + 60.958
										FORESIGHTS − 141.672
										ELEVATION − 80.714
20	3503		646			5441		654		
	2857		648			4787		651		
	2209		1294			4136		1305		
	8569	2.856		25418	86°	14364	4.788		25418 10	SEE F.B. 1202 - 15 FOR DESCRIPTION
	60.958					141.672				

F.B. 1202 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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by S. [illegible] Time 11-15-8:00 AM Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [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
1	7442 6824< 6318		618 616 1234 ✓		#7	7774 7123 6473		651 650 1301 ✓		B.M. 1-11 SEE F.B. 1202-6 FOR DESCRIPTION
	20474 ✓	6.825 ✓		1234 ✓	88	21370 ✓	7123 ✓		1301 ✓	
2	3772 3070 2442		702 628 1330 ✓			7848 7192 6539		656 653 1309 ✓		
	9284 ✓	3.070 ✓		2530 ✓		21577 ✓	7.193 ✓		2618 ✓	
3	3870 3205 2665		665 664 1329 ✓			7626 6993 6359		635 634 1269 ✓		
	9810 ✓	3.270 ✓		3869 ✓		21150 ✓	6.993 ✓		3904 ✓	
4	4091 3437 2782		654 655 1309 ✓			6730 6084 5438		646 646 1292 ✓		
	10310 ✓	3.437 ✓		3177 ✓		18252 ✓	6.084 ✓		5191 ✓	
5	6741 4072 3205		669 867 1536 ✓			5970 5302 4651		668 671 1339 ✓		SEE IN F.B. 1202 E ONE HUNDRED FOOT [illegible]
	12018 ✓	4.072 ✓		6515 ✓	82	15963 ✓	5.321 ✓		6510 ✓	
		32.009 ✓					32.714 ✓			

F.B. [illegible] 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 S. SHINODA Time 11:15 - 3:00 PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-11 To B.M. 1-12
Date JUNE 28, 1951
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	4430 3783 3135 11350	20.009 ✓ 3.783 ✓	647 646 1293 ✓	6515 ✓ 7808 ✓	88°	5021 4370 3716 13107 ✓	32.7.4 ✓ 4.69 ✓	651 654 1305 ✓	6517 ✓ 7815 ✓	
7	7421 6738 6053 20212 ✓	6.737 ✓	683 685 1368 ✓	9176 ✓		5692 5022 4349 15063 ✓	5.021 ✓	670 673 1343 ✓	9158 ✓	
8	5998 5383 4769 16150 ✓	5.383 ✓	615 614 1229 ✓	10425 ✓		4770 4181 3588 12545 ✓	4.1[illegible] ✓	595 593 1188 ✓	10346 ✓	
9	6626 5982 5340 17948 ✓	5.983 ✓	644 642 1286 ✓	11691 ✓		4115 3458 2801 10374 ✓	3.458 ✓	657 657 1314 ✓	11660 ✓	
10	7420 6823 6178 20471 ✓	6.824 ✓	647 645 1292 ✓	12985 ✓		4105 3443 2780 10328 ✓	3.[illegible]5 ✓	662 663 1325 ✓	12985 ✓	
		48.719 ✓					53.87 ✓			

F.B. 1202 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 S. SHINOLA Time 11:15 - 300 P.M. Rod No. 7&8

Name L.A. Co. [illegible]
Job No. 4723
From [illegible] To [illegible]
Date JUNE 28, 195[illegible]
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
11	7002 [illegible] 5908 19665	[illegible] [illegible]	647 647 1294	1298.3 1427.7		3306 2650 1995 7951	53.[illegible] [illegible]	656 655 1311	1298.5 1429.6	
12	6782 [illegible] 5462 [illegible]	6.[illegible]	660 660 1320	1559.7		3222 2578 1931 7732	2577	645 647 [illegible]	1558.8	
13	7332 6794 [illegible] 20381	6794	535 534 1077	1667.4		5653 5110 4567 15330	5.110	543 543 1086	1667.4	US 240 [illegible] OF [illegible] DEPTH
14	[illegible] [illegible] [illegible]80 18982	6.[illegible]	64[illegible] 648 [illegible]	1796.8		5649 4995 4340 14984	4995	654 655 1309	1798.3	
15	[illegible] 5535 4[illegible] 16605	5.535 80.052	651 651 1302	1927.0		4511 3935 3278 11804	3935 70.454	656 657 1313	1929.6	

F.B. [illegible] PG. 147

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 A. F. Novarro Weather CLEAR Inst. No. 56012
Notes by S. Sunoon Time [illegible] Rod No. [illegible]

Name L. A. Co. Precise Level Net
Job No. 4223
From B.M. 1-11 To B.M. 1-12
Date June 21, 1951
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
16	5882	86.[illegible]	662	1927		6799	[illegible]	649	1924.6	
	5220		665			6150		648		
	2555		1327			5502		1297		
	17157	5.719		3259.7		12451	[illegible]		2659.3	
17	4123		650			7168		651		
	3473		651			6517		656		
	2822		1301			5861		1305		
	10418	[illegible]		2189.8		19542	[illegible]		2189.8	
18	4171		511			6243		491		
	3660		510			[illegible]		484		
	3148		1023			[illegible]		1020		
	10979	3.660		2292.1		19051	[illegible]		2287.8	
19	5204		504			8744		494		B.M. 1-12 See F.B. 1202 - for Description
	4700		518			8250		475		
	[illegible]		1022			7755		969		
	14105	4.703		2393.6	86	[illegible]	[illegible]		2386.7	
										Summation of Run B.M. 1-11 To B.M. 1-12
										Total Backsights + 97.606
										" Foresights - 19.723
										Diff. in Elevation - 2.117
		97.606								

F.B. 1202 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 F. Hammond Weather [illegible] Inst. No. 52010
Notes by S. Spinelli Time 3:15-4:00 Rod No. 7[illegible]

Name L.A.C. Parks & Recreation
Job No. 4[illegible]
From BM [illegible] To [illegible]
Date June 22, 1[illegible]
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	2669 8172 7672 2517	8172	497 494 991	991	#7 88°	[illegible] 4625 4118 13873	4.624	507 504 1011	1011	BM [illegible] See F.B. [illegible] For Description
2	6059 [illegible] 5576 18503	6.168	499 494 983	1974		3[illegible] 3477 7925 [illegible]	[illegible]	511 512 1023	2034	
3	7082 6377 5705 19114	6.371	661 [illegible] 1329	3297		3972 3229 2288 9989	3.330	643 641 1284	3318	
4	6757 6104 5452 18313	6.104	653 652 1305	4602		6330 5670 5010 17010	5.670	660 660 1320	4638	
5	4580 3916 3255 11754	3.918	664 664 1325	5927		6165 5518 4874 16555	5.518	647 646 1293	5931	
		30.734					22.619			

F.B. [illegible] PG. 1[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. Nauman Weather CLEAR Inst. No. 5001
Notes by S. Shinoda Time 3:15-4:30 Rod No. 7 & 8

Name L. A. C. Precise Level Net
Job No. 7723
From BM 1-15 To BM [illegible]
Date June 22, 1951
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
6.	5642 30 934 ✓		653	5937 ✓		6269 [illegible] ✓		651	5931 ✓	US 240 Pot cuno [illegible]
	4989		651			6018		651		[illegible] Southern [illegible]
	4338		1304 ✓			5367		1302 ✓		Deep
	14969 ✓	4.990 ✓		7231 ✓	[illegible]	18954 ✓	6.[illegible] ✓		7233 ✓	Started 4:00 PM 6-22-51
7	6175		530			7696		508		
	5645		532			7188		500		
	5119		1056 ✓			6768		1120 ✓		[illegible]
	16941 ✓	5.647 ✓		2277 ✓	[illegible]	[illegible] ✓	[illegible] ✓		8357 ✓	Reduce [illegible]
8	4030		580			[illegible]		654		
	3580		654			[illegible]		644		
	2950		[illegible] ✓			[illegible]		1298 ✓		
	10540 ✓	5.580 ✓		9577 ✓		[illegible] ✓	[illegible] ✓		9005 ✓	
F.B. 1202 PG. 150 9	4090		653			7866		647		
	3437		654			7219		642		
	2783		1307 ✓			6577		1289 ✓		
	10310 ✓	5.157 ✓		10234 ✓		[illegible] ✓	[illegible] ✓		10859 ✓	
10	4080		666			[illegible]		[illegible]		
	3414		[illegible]			[illegible]		[illegible]		
	2748		[illegible] ✓			[illegible]		1318 ✓		
	[illegible] ✓	[illegible] ✓		1021.5 ✓		[illegible] ✓	[illegible] ✓		[illegible] ✓	
	51 607 ✓					[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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
Indexed R. 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
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	T.H. SPIKE [illegible]
5	5760 5260 4580 15780	5260	680 680 1360	18753		4673 4012 3351 12036	4012	661 661 1322	18759	
		73.118					82.449			

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible] 29 1951
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
16	[illegible]	73118 ✓	[illegible]	18783 3		[illegible]	82149 ✓	[illegible]	1875.9 ✓	
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible] ✓			[illegible]		[illegible] ✓		
	[illegible] ✓	[illegible] ✓		20064		[illegible] ✓	[illegible] ✓		2001.8 ✓	
17	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		40		
	[illegible]		[illegible] ✓			[illegible]		[illegible] ✓		
	[illegible] ✓	[illegible] ✓		21390		[illegible] ✓	[illegible] ✓		2129.9 ✓	
18	[illegible]		651			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		158		
	[illegible]		[illegible] ✓			[illegible]		[illegible] ✓		SUMMATION OF SUN [illegible]
	[illegible] ✓	[illegible] ✓		22693		[illegible] ✓	[illegible] ✓		22614 ✓	
	[illegible]		[illegible]			7451		[illegible]		
	7123		[illegible]			[illegible]		[illegible]		TOTAL BACKSIGHTS +100.722 ✓
	6473		[illegible] ✓			[illegible]		[illegible] ✓		[illegible] -98.616 ✓
	21367 ✓	[illegible] ✓		23971		[illegible] ✓	[illegible] ✓		23854 ✓	[illegible] ELEVATION +[illegible]106 ✓
										BM [illegible] SEE F.B. 1202-16 FOR DESCRIPTION

F.B. 1202 PG. 152

100.722 ✓ 98.616 ✓

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. 52012
Notes by S. SHANNON Time 3:30 Rod No. 7 E.B.

Name L.A. Co. Flood Control
Job No. 4935
From US 240 To 5 1215
Date JULY 2, 1951
Indexed R. 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
1.	6788 6078 5361 18230 ✓	6.077 ✓	713 714 1424 ✓	142.4 ✓	#7	5521 4870 3931 13390 ✓	4.630 ✓	648 939 1596 ✓	139.6 ✓	US 240 TOP OF COVER SO. EDGE OF CHISELED SQUARE [illegible] DEFR. SEE F.B. [illegible] - 35 FOR DESCRIPTION
2	6542 5826 [illegible] 17487 ✓	5.832 ✓	716 715 1431 ✓	2855 ✓		4964 4256 3546 12766 ✓	4.254 ✓	708 708 1416 ✓	2812 ✓	SV 1215 F.B. [illegible] 3-541 [illegible] TS CE WHITTIER BLVD [illegible] E CARMENITA AVE [illegible]
		11.909 ✓					7.884 ✓			TOTAL BACKSIGHTS [illegible] ✓ " FORESIGHTS [illegible] ✓ DIFF IN ELEVATION + [illegible] ✓
1	5002 4294 3586 12882 ✓	4.294 ✓	708 708 1416 ✓	1416		2584 5868 5152 17604 ✓	5.868 ✓	716 716 1432 ✓	1432	SV 1215
2	5303 4605 3908 13816 ✓	4.605 ✓	697 697 1395 ✓	2811		6123 6048 5337 17148 ✓	6.049 ✓	715 711 1426	2858	US 240 TOTAL BACKSIGHTS [illegible] ✓ " FORESIGHTS 11.917 ✓ DIFF IN ELEVATION 3.968 ✓
		8.899 ✓					11.3[illegible] ✓			

F.B. [illegible] PG. 153

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. 1092 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 Cloudy + Calm Inst. No. 50010
Notes by S. Shinoda Time 9:15 11:30 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM. 1-12 To B 1-13
Date 7-2-51
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	4769 4122 3476 12367 ✓	4.122 ✓	647 646 1293 ✓	129.3 ✓	#7 64°	7432 6789 6141 20368 ✓	6.789 ✓	649 648 1297 ✓	129.7	B.M. 1-12 See F.B. 1202-7 For Description
2	3898 3163 2510 9491 ✓	3.164 ✓	655 653 1308 ✓	260.1 ✓		7665 7016 6367 21048 ✓	7.016 ✓	649 648 1298 ✓	259.5 ✓	
3	3645 2989 2331 8965 ✓	2.988 ✓	656 658 1314 ✓	391.5 ✓		7296 6653 6010 19959 ✓	6.653 ✓	643 643 1286 ✓	388.1 ✓	
4	4178 3482 2835 10445 ✓	3.482 ✓	646 647 1293 ✓	52[illegible] ✓		7503 6852 6205 20560 ✓	6.853 ✓	649 651 1300 ✓	518.1 ✓	
5	3243 2588 1930 7761 ✓	2.587 ✓	657 658 1315 ✓	652.3		7129 6490 5851 19470 ✓	6.490 ✓	639 639 1278 ✓	645.9 ✓	
		16.342 ✓					33.801 ✓			

F.B. [illegible] PG. 155

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. Shinode Time 9:15-11:30 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-12 To BM 1-13
Date July 2, 1951
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
6	4686 4043 3399 12128	16.343 4.043	643 644 1287	652.3 1 78 00		7738 7079 6418 21235	33.801 7.078	659 661 1320	645.9 777.9	
7	5183 4529 3877 13589	4.530	654 652 1306	911.4		6899 6242 5588 18729	6.[illegible]	657 654 1311	909.0	
8	5508 4853 4201 14562	4.854	655 652 1307	1 [illegible]		7037 6390 5742 19[illegible]	6.[illegible]	649 648 1297	1038.7	
9	5719 5062 4403 15184	5.061	657 659 1316	1173.7		6477 5824 5180 17486	5.8[illegible]	648 649 1297	1168.4	
10	5038 4392 3748 13178	4.393	646 644 1290	1302.7		5282 4623 3966 13872	4.6[illegible]	660 657 1317	1300.1	
		29.224					63.765			

F.B. 1202 PG. 156

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. [illegible] Weather [illegible] Inst. No. 50010
Notes by S. SHINODA Time 9:15 - 11:30 [illegible] Rod No. 7 [illegible]

Name [illegible]
Job No. 4923
From [illegible] To [illegible]
Date JULY 2 [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
11	5873 [illegible] 4578 15678	39.22[illegible] 5.226	646 649 1295	1302.7 1432.2		4868 4219 3568 12655	3.965 4.[illegible]8	649 651 1300	1300.1 1430.1	
12	[illegible] [illegible] 5003 [illegible]	[illegible] [illegible]	652 654 1306	1562.8		[illegible] 4723 4171 14472	[illegible] 4.[illegible]	653 652 1305.7	1560.8	
13	[illegible] [illegible] [illegible] [illegible]	[illegible] 6.586	646 [illegible] 1292.1	1[illegible]19		5762 5103 4444 15309	5.103	659 659 1318	1622.6	
14	6490 5840 5890 17520	5.840	650 650 1300	1[illegible]19		4770 4121 3470 12361	4.120	649 651 1300	1[illegible]6	
15	6660 6010 5360 18030	6.010	650 650 1300	1932.19		4785 4132 3481 [illegible]	[illegible]	653 651 1304	1952.30	
		68542					86368			

F.B. [illegible] PG. 157

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. 52012
Notes by S. SHINODA Time 9:15 - 11:30 A.M. Rod No. 7 & 3

Name L. A. Co. Precise Level No. 1
Job No. 1925
From BM 1-12 To BM 1-13
Date June 2, 1951
Indexed K. 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
16	6903 6854 ✓		654	195 19		5171 4524	4848 ✓	647	195 30	
	6251		651			4543		647		
	5600		1305 ✓			3896		1294 ✓		
	18754 ✓	6251 ✓		2082 5		13608 ✓	4543 ✓		2082 5	
17	6699		650			5871		652		
	6049		649			5219		652		
	5398		1299			5067		1304 ✓		
	18146 ✓	6049 ✓	1301	2083 13		17157 ✓	5719 ✓		2082 9	
18	5237		797			7623		799		SUMMATION OF RUN BM 1-12 TO BM 1-13
	4440		797			6824		800		
	3643		1594 ✓			6024		1599 ✓		
	13320 ✓	4440 ✓		2071 4	70°	20471 ✓	6824 ✓		2372 4	
F.B. 1202 PG. 158										TOTAL BACKSIGHTS + 85.282 ✓ TOTAL FORESIGHTS - 103.449 ✓ DIFF. IN ELEVATION - 18.167 ✓
										BM 1-13 SEE F.B. 1202-18 FOR DESCRIPTION

85.282 ✓ 103.449 ✓

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. 50000
Notes by S. SOLOMON Time 11:30 - 3:15 PM Rod No. 7 & 2

Name L.A.C. PRECISE LEVEL
Job No. 4925
From B.M. 1-13 To X
Date JULY 2, 1958
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	7[illegible] 6247 [illegible] 9055	6.205	799 621 598	152.2	#7 70	5269 [illegible] 2661 13382	1461	100 800 159.9	159.9	BM 1-13 SEE F.B. [illegible] FOR DESCR.
2	6305 5651 [illegible] 16954	5.651	[illegible] [illegible] 304	[illegible]		6624 5773 5334 17749	5.915	649 [illegible] [illegible]	299.8	
3	5[illegible] 4[illegible] [illegible] 3[illegible]	[illegible]	[illegible] [illegible] 353	[illegible]		6906 6253 5600 [illegible]	6.255	[illegible] 653 [illegible]	452.3	
4	[illegible] 4970 [illegible] [illegible]	[illegible]	650 650 [illegible]	[illegible]		6673 [illegible] 5470 [illegible]	6.071	650 652 [illegible]	500.5	
5	4705 4159 3510 12474	4.158	648 642 [illegible]	679.1	70	5530 5277 5221 17028	5.876	653 656 1309	681.5	1 HOUR OUT TO LUNCH
		25.371					27.614			

F.B. [illegible] PG. 159

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 11:30-3:15 AM Rod No. T & B

Name L A Co PRECISE LEVEL NET
Job No. 4923
From BM 1-13 To BM 1-12
Date JULY 2, 1951
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
6	5614 4960 4306 14880	25.371 4960	654 654 1308	679.1 809.0		7088 6441 5790 19319	28.614 6440	647 651 1298	681.4 811.2	WEATHER CLEAR IN AFTERNOON
7	5504 4859 4213 14576	4859	645 646 1291	939.0		6350 5693 5035 17078	5693	657 658 1315	942.7	
8	6283 5630 4979 16892	5631	653 651 1304	1069.4		7289 6640 5988 19917	6639	649 652 1301	1072.8	
9	6777 6128 5478 18383	6128	649 650 1299	1199.3		6550 5894 5239 17683	5894	656 655 1311	1203.9	
10	6489 5840 5190 17519	5840	649 650 1299	1329.2		5738 5079 4420 15237	5079	659 659 1318	1335.7	

F.B. 1202 PG. 160

52.789 ✓ 58.159 ✓

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 S. SHINODA Time 11:30-3:15 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From P.M. 1-13 To E 11-12
Date JULY 2, 1951
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
11.	[illegible]	[illegible]	668	1329.2		4472	58.359	652	1335.8	
	5351		667			3820		655	7	
	4064		1335			3165		[illegible]		
	16054	5.351		14627		11457	3.819		14665	
12	6855		664			5126		647		
	[illegible]		662			4479		647		
	[illegible]		1326			[illegible]		1294		
	18575	6.192		15953		13437	4.479		15959	
13.	7792		640			4762		652		
	7143		652			4110		650		
	6491		301			3460		302		
	21426	7.142		17254		12332	4.111		17260	
14.	7063		640			3170		653		
	6423		642			2520		656		
	5781		1282			[illegible]		1309		
	19267	6.422		18536		7557	2.519		18569	
15.	7443		655			4059		641		
	6788		658			3418		645		
	[illegible]		1313			2773		1286		
	20361	6.787		19849		10250	3.417		19855	
		84.683					76.704			

F.B. [illegible] PG. 161

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 11:30-3:15 PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4925
From BM 1-13 To BM 1-12
Date JULY 2, 1951
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
16	7284 6639 5991 19914	84.683 6.638	645 648 1293	19944 21142		3693 2973 2324 8920	76.104 2.973	650 649 1299	19956 5 4 21155	
17	7868 7213 6560 21641	7.214	655 653 1308	22450		4014 3362 2710 10086	3.362	642 652 1304	22449 58	SUMMATION OF RUN B.M 1-13 TO BM 1-12
18	7466 6813 6161 20440	6.813	653 652 1305	23755	82°	4792 4150 3507 12449	4.150	642 643 1285	23774 74.3	TOTAL BACKSIGHTS +105.348 TOTAL FORESIGHTS -87.189 DIFF IN ELEVATION +18.159
										BM 1-12 SEE FB 1202-17 FOR DESCRIPTION
		105.348					87.189			

F.B. 1202 PG. 162

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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time [illegible] Rod No. [illegible]

Name L.A. Co. [illegible]
Job No. 4923
From [illegible] To [illegible]
Date [illegible]
Indexed [illegible] 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]	[illegible]	[illegible]	[illegible]	#7 25°	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]					[illegible]			

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 8:30-10:15 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-13 To BM 1-14
Date JULY 3, 1957
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
6	5299 4653 4009 13961	20.891 4654	646 644 1290	649.9 7789		6908 6257 5607 18772	30.[illegible] 6257	651 650 1301	6482 7783	
7	3533 2870 2207 8610	2.870	663 663 1326	911.5		6292 5633 4973 16878	5.[illegible]	659 660 1319	910.2	
8	4574 3920 3266 11760	3.920	654 654 1308	1042.3		6993 6350 5709 19054	6[illegible]	641 643 1284	1038.6	
9	5321 4670 4019 14010	4.670	65[illegible] 65[illegible] 130[illegible]	[illegible]25		7[illegible] 6594 5948 19780	6[illegible]3	644 646 1290	1167.6	
10	4867 3927 3287 11781	3.927	64[illegible] 64[illegible] 1280	[illegible]		6952 6300 5648 19900	6[illegible]	652 652 1304	1298.0	
		40.9[illegible]					16[illegible]3			

F.B. 1202 PG. 164

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 [illegible] Inst. No. 50010
Notes by S. SHINODA Time 8:30 - 10:15 Rod No. 7 & 8

Name [illegible]
Job No. 49[illegible]
From B.M. 1-13 To [illegible]
Date JULY 3, 1951
Indexed [illegible] 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
11	4762 4119 3462 12356	40.932 4.119	650 651 1301	13.005 14306		7447 6800 6152 20399	[illegible] 6.800	647 648 1295	12980 1427.5	
12	4579 3929 3278 [illegible]	3.929	650 651 1301	[illegible]		6170 5522 4873 [illegible]	5.52[illegible]	648 [illegible] [illegible]	1557.6	
13	4092 3293 2493 9878	3.293	799 800 1599	1720.6		5312 4525 3733 13576	4.525	793 792 1585	1715.7	SUMMATION OF [illegible] ON B.M. 1-13 TO B.M. 14
14	5757 5464 5171 16392	5.464	293 293 586	1779.2	68°	6563 6256 5948 18767	6.256	307 308 615	1777.2	TOTAL BACKSIGHT [illegible] " FORESIGHT - 85176 DIFF IN ELEVATION - 27439
15										BM 1-14 SEE FB 12[illegible]-19 FOR DESCRIPTION

57737 85.176

F.B. [illegible] PG. 165

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 ..... Inst. No. 50010
Notes by S SHINODA Time ..... Rod No. 7 & 8

Name L.A.G. PRECISE LEVEL NET
Job No. 4923
From SV 1-13 To PM 1-17
Date JULY 3, 1951
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. 1202 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 NAUMAN Weather CLOUDY Inst. No. 50010
Notes by S SHINODA Time 10:15-11:30AM Rod No. 9 & 5

Name L.A.C. [illegible]
Job No. [illegible]
From B.M. 1-14 To B.M. 1-13
Date JULY 3, 1951
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
1	6590 6282 5973 18845	6.282	308 309 617	61.7	#7 68.9	5784 5491 5198 16473	5.491	293 293 586	58.6	B.M. 1-14 SEE FB 1602-19 FOR DESCRIPTION
2	5364 4574 3785 13723	4.574	790 789 1579	2196		4147 3344 2541 10032	3.344	803 803 1606	2192	
3	6120 5477 4833 16430	5.477	643 644 1287	3483		4540 3883 3228 11.651	3.884	658 655 1313	3305	
4	7446 6799 6152 20397	6.799	647 647 1294	4777		4769 4118 3465 12352	4.117	651 653 1304	4809	
5	6852 6202 5561 18621	6.207	644 647 1291	6268		4481 3835 3188 11504	3.835	646 647 1293	6108	
	[illegible]					20.671				

F.B. [illegible] PG. 167

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 [illegible] Weather Cloudy Inst. No. [illegible]
Notes by S. Shinoda Time 10:15-11:30 [illegible] Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4723
From BM 1-14 To BM 1-13
Date July 3, 1951
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
6	7180	29.339	644	6068		5266	[illegible]	652	6102 1	
	6536		646			4614		651		
	5890		1290			3[illegible]		305	4	
	19606	6535		7358		13843	4614		7405	
7	6345		643			3[illegible]		653		
	5702		643			3271		655		
	5059		1286			2616		1308	2	
	17106	5702		8644		9811	[illegible]		8713	
8	6279		659			35[illegible]		663		
	5600		660			2[illegible]		664		
	4960		1319			2[illegible]		1327 6	38	
	16859	5620		9963		8569	[illegible]		10[illegible]	
9	6918		65[illegible]			5[illegible]		[illegible]		
	6259		65[illegible]			4[illegible]		64[illegible]		
	5602		1316			4[illegible]		1279	7	
	18779	6260		11[illegible]		13[illegible]	[illegible]		11319	
10	7639		653			4[illegible]		650		
	6986		654			[illegible]		65[illegible]		
	6330		1307			3[illegible]		1301	18	
	20957	6986		12586		11372	3[illegible]		12620	
		60.442					37.[illegible]60			

F.B. 1202 PG. 168

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 [illegible] Inst. No. [illegible]
Notes by S. Shinkoda Time 10:15-11:30AM Rod No. 7 & 8

Name L.A.C. Precise Level
Job No. 17223
From BM 1-14 To [illegible]
Date July 9, 75
Indexed L. 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
11	517	60.242	147	126.26		3570	57.160	635	126.30 18	
	[illegible]		643			[illegible]		635		
	[illegible]		298			3300		1270		
	7210	5.870	4	132.80		8805	7.935		138.88	
12	708		664			850		639		
	6420		665			1211		642		
	[illegible]		1329	9		3539		1281	69	
	12259	6.420		132.05		6650	4.210		51.74	
13	6492		659			4641		659		SUMMATION OF R[illegible]
	5834		655			3112		661		BM 1-4 [illegible]
	5170		1315			3321		1320	89	
	17503	5.224		132.25		11944	5.381		162.94	
14	6603		626			[illegible]		621		TOTAL BACKSIGHTS 84.542
	5977		628			6127		625		" FORESIGHTS 57.112
	5349		1254	8		5403		1246	4	DIFF IN ELEVATION 27.430
	17929	5.974		177.84	70°	18578	6.126		178.65	
										BM 1-13
										SEE FB 1202 18
										FOR DESIGN [illegible]
	84542					57112				

F.B. [illegible] PG. 169

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. NAUMENNY Weather ..... Inst. No. 50010
Notes by S. SHINADA Time ..... Rod No. 7 E.B.

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM To BM
Date JULY 3, 1951
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. 170										

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 8:15-10:30 AM Rod No. 7 E B

Name L.A. Co. [illegible]
Job No. [illegible]
From BM [illegible] To [illegible]
Date JULY 6, 1951
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	7120 6467 5813 19400 ✓	6467 ✓	653 654 1307 ✓	130.7 ✓	#7 68°	4974 4330 3676 12990 ✓	4335 ✓	654 654 1308 ✓	130.8 ✓	BM [illegible]-14 SEE F.B. 120[illegible]-[illegible] FOR DESCRIPTION
2	[illegible] [illegible] [illegible] 20014 ✓	6.671 ✓	652 651 1303 ✓	261.0 ✓		[illegible] 3103 2[illegible] 9309 ✓	3.103 ✓	[illegible] 650 1300 ✓	260.8 ✓	
3	7779 7130 6482 21391 ✓	7.130 ✓	649 648 1297 ✓	390.7 ✓		3747 3098 2446 9291 ✓	3.097 ✓	649 652 1301 ✓	390.9 ✓	
4	7752 7101 6448 21301 ✓	7.100 ✓	651 653 1304 ✓	521.1 ✓		4242 3597 2949 10787 ✓	3.596 ✓	645 648 1293 ✓	520.2 ✓	
5	7329 6682 6036 20047 ✓	6.682 ✓	647 646 1293 ✓	650.4 ✓		4199 3550 2902 10651 ✓	3.550 ✓	649 648 1297 ✓	649.9 ✓	
		34.050 ✓					17.676 ✓			

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 H. F. Naumann Weather [illegible] Inst. No. [illegible]
Notes by S. [illegible] Time [illegible] Rod No. 7F3

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 1-14 To BM 1-15
Date July 6, 1951
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
6.	7343 6689 6036	34.050 ✓	654 653 13.07 ✓	650.4 ✓		4188 3540 2889	[illegible] ✓	648 651 1299 ✓	649.9 ✓	
	20068 ✓	6.689 ✓		781.1 ✓		10617 ✓	[illegible] ✓		779.8 ✓	
7.	7222 6575 5947		647 648 1295 ✓			4175 3525 2874		650 651 1301 ✓		
	19744 ✓	6.575 ✓		910.6 ✓		10574 ✓	[illegible] ✓		909.9 ✓	
8.	7324 6673 6022		651 651 1302 ✓			4291 3645 2997		646 648 1294 ✓		
	20013 ✓	6.671 ✓		1040.8 ✓		12933 ✓	[illegible] ✓		1039.3 ✓	
F.B. 202 PG. 172 9.	5323 4676 4027		647 649 1296 ✓			6200 5550 4901		650 649 1299 ✓		
	14026 ✓	4.675 ✓		1170.6 ✓		16651 ✓	[illegible] ✓		1169.2 ✓	
10.	5216 4566 3915		650 651 1301 ✓			6274 5623 4970		651 653 1304 ✓		
	13697 ✓	4.566 ✓		1300.5 ✓		16869 ✓	[illegible] ✓		1299.6 ✓	
		63.226 ✓					40.50 ✓			

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 8:15-10:30 AM Rod No. [illegible]

Name L.A. COUNTY [illegible]
Job No. 4923
From BM 1-14 To [illegible] 1-15
Date JULY 6, 1951
Indexed R. 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
11	5131	63.226 ✓	642	13095 ✓		6261	40.156 ✓	657	12941 ✓	
	4489		642			5604		654		
	3847		1284 ✓			4950		1311 ✓		
	13467 ✓	4409 ✓		14289 ✓		16815 ✓	5.605 ✓		14307 ✓	
12	5222		655			6128		646		
	4573		652			5542		649		
	3921		1307 ✓			4893		1295 ✓		
	13722 ✓	4574 ✓		15596 ✓		16563 ✓	5.541 ✓		15202 ✓	
13	5009		653			6030		649		
	4356		654			5381		652		
	3702		1307 ✓			4729		1301 ✓		
	13067 ✓	4356 ✓		16603 ✓		16140 ✓	5.370 ✓		16603 ✓	
14	5669		658			5471		649		
	5019		650			4822		650		
	4369		1300 ✓			4172		1299 ✓		
	15057 ✓	5.019 ✓		17203 ✓		14465 ✓	4.822 ✓		18202 ✓	
15	5976		650			5522		649		
	5326		650			4873		650		
	4676		1300 ✓			4223		1299 ✓		
	15978 ✓	5.326 ✓		19503 ✓		14618 ✓	4.873 ✓		19501 ✓	
		86.990 ✓					66.377 ✓			

F.B. 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 8:15-10:30 Rod No. 7 & 8

Name L. A. C. PRECISE LEVEL NET
Job No. 4923
From BM 1-14 To BM 1-15
Date JULY 6, 1951
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
16	6587 5939 5290 17816	86.990 5939	648 649 1297	1950.3 20840		5068 4419 3770 13257	66.377 4419	649 649 1298	1950.1 20799	
17	7751 7096 6440 21287	7.096	655 656 1311	2211.1		5947 5301 4654 15902	5.301	646 647 1293	2209.2	SUMMATION OF RUN BM 1-14 TO BM 1-15
18	5802 5145 4488 15435	5.145	657 657 1314	2342.5		7059 6410 5762 19231	6410	649 648 1297	2338.9	TOTAL BACKSIGHTS + 115.927 " FORESIGHTS − 94.951 DIFF. IN ELEVATION +20.976
19	5932 5459 2985 16376	5.459	473 474 947	2437.2		6522 6064 5605 18191	6.064	458 459 917	2430.6	
20	5739 5298 4857 15894	5.298	441 441 882	2525.4	84°	6864 6381 5896 19141	6380	483 485 968	2527.4	BM 1-15 SEE FB 1202-20 FOR DESCRIPTION
		115.927					94.951			

F.B. 1202 PG. 174

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 10:30-2:15 PM Rod No. 7 & 8

Name L.A.C. Precise Level Net
Job No. 4923
From BM 1-15 To [illegible]
Date JULY 6, 1951
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
1	6811 6321 5847 18987	6.329	.482 .482 .964	96.4	#7 84°	5693 5250 4806 15749	5.250	443 444 887	88.7	BM 1-15 SEE F.B. 120[illegible]-20 FOR DESCRIPTION
2	6643 6182 5720 18545	6.182	461 462 92.3	188.7		6047 5573 5102 16722	5.574	474 471 945	183.2	
3	7019 6383 5748 19150	6.383	636 635 127.1	315.8		5789 5119 4449 15357	5.119	670 670 1340	317.2	
4	5234 4588 3941 13763	4.588	646 647 1293	445.1		7040 6387 5732 19159	6.386	653 655 1308	448.0	
5	5011 4357 3700 13068	4.356	654 657 1311	576.2		6511 5871 5231 17613	5.871	640 640 1280	576.0	
		27.838					28.200			

F.B. [illegible] PG. 175

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 10:30-2:15 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-15 To BM 1-14
Date JULY 6, 1951
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
6.	5529 4879 4229 14637	27838 4879	650 650 1300	5762 7062		5982 5332 4685 15999	5[illegible] 5333	650 647 1297	5760 7057	
7	5451 4801 4151 14403	4801	650 650 1300	8362		5650 5000 4349 14999	5000	650 651 1301	8358	
8	6084 5432 4783 16299	5433	652 649 1301	9663		5062 4410 3759 13231	4410	652 651 1303	9661	
9	6168 5519 4869 16556	5519	649 650 1299	10962		5208 4554 3900 13662	4554	654 654 1308	10969	
10	6274 5621 4968 16863	5621	653 653 1306	12268		5149 4505 3861 13515	4505	644 644 1288	12257	
		54091					52002			

F.B. 1202 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 CLEAR Inst. No. 50016
Notes by S. SHINODA Time 10:30-2:15 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NE
Job No. 4923
From BM 1-15 To E 11-14
Date JULY 6, 1954 C. Johnson
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
11.	6269 5621 4970 16860	54.09 5.620	648 651 1299	1226.8 1356.7		5213 4562 3910 13685	52.002 4.562	651 652 1303	1225.7 1356.0	
12	6211 5562 4910 16683	5.561	649 652 1301	1486.8	92°	5340 4691 4041 14072	4.691	649 650 1299	1485.9	1 HOUR OUT TO LUNCH
13	4916 4268 3622 12806	4.269	648 646 1294	1616.2	95°	7350 6697 6042 20089	6.696	653 655 1308	1616.7	
14	4182 3533 2884 10599	3.533	649 649 1298	1746.0		7229 6582 5933 19744	6.581	647 649 1296	1746.3	
15	4106 3458 2810 10374	3.458	648 648 1296	1875.6		7262 6608 5951 19821	6.607	654 657 1311	1877.4	
		76.532					81.139			

F.B. [illegible] PG. 177

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. 50016
Notes by S. SHINODA Time 10:30-2:15 PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 49-
From BM 1-15 To BM 1-14
Date JULY 6, 1951
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
16	4189 3543 2895 10627	76.532 3.542	646 648 1294	1875.6 2005.0		7321 6673 6027 20021	81.139 6.674	648 646 1294	1877.4 2006.8	
17	4204 3560 2913 10677	3.559	644 647 1291	2134.1		7709 7057 6403 21169	7.[illegible]6	652 654 1306	2137.4	
18	3586 2938 2288 8812	2.937	648 651 1299.8	2263.9		7622 6972 6321 20915	6.972	650 651 1301	2267.5	SUMMATION OF RUN BM 1-15 TO BM 1-14
19	3607 2952 2301 8860	2.953	655 651 1306	2394.5		7167 6518 5868 19553	6.518	649 650 1299	2397.4	TOTAL BACKSIGHTS + 93.991 " FORESIGHTS − 114.963 DIFF IN ELEVATION − 20.972
20	5129 4468 3806 13403	4.468	661 662 1323	2526.8	96°	7250 6605 5958 19813	6.604	645 647 1292	2526.6	BM 1-14 SEE F.B. 1202-19 FOR DESCRIPTION
		93.991					114.963			

F.B. 1202 PG. 17 P

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 11:20-3:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 1-15 To B.M. 1-16
Date JULY 10, 1951
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
1	4797 4151 3508 12456	4.152	646 643 1289	127.9	72°	7391 6741 609 10223	6.741	650 650 1300	130.0	B.M. 1-15 SEE F.B. 1202-10 FOR DESCRIPTION
2	502 4319 3368 13196	4.399	680 631 1261	255.0		7203 6539 5875 19617	6.539	664 664 1328	262.8	⊼ GEORGE DREIER
3	3421 2801 2149 8401	2.800	650 652 1302	385.2		7732 7090 6443 21271	7.090	648 647 1295	392.3	
4	3752 3100 2447 9299	3.100	652 653 1305	515.7		8217 7569 6922 22708	7.569	648 647 1295	521.8	
5	4317 3658 2999 10974	3.658	659 659 1318	647.5	76°	7473 6781 6148 20342	6.781	632 633 1265	648.3	ONE HOUR OUT TO LUNCH
		18.109					34.720			

F.B. 1202 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:20-3:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-15 To BM 1-16
Date JULY 10, 1951
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
6.	4438 0782 3127 11347	18.109 3782	656 655 1311	6475 7786	78°	7689 7041 6390 21120	34.120 7[illegible]	648 651 1299	6483 7782	
7.	4647 3983 3317 11947	3982	664 666 1330	911.6		9032 8368 7702 25102	8.367	664 666 1330	911.2	
8.	5081 4425 3770 13276	4425	656 655 1311	10427		8242 7592 6942 22776	7.592	650 650 1300	10412	
9	5491 4851 4210 14552	4851	640 641 1281	11708		8581 7927 7272 23780	7.927	654 655 1309	11721	
10	5742 5080 4419 15241	5.080 40.229	662 661 1323	13031		8245 7603 6962 22810	7.603 73.249	642 641 1283	13004	

F.B. 1202 PG. 180

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 S. SHINODA Time 11:20-3:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Lev. Net
Job No. 4925
From BM 1-15 To B 1-16
Date JULY 10, 1951
Indexed 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
11	5622	40.229	649	1303.1		7441	73249	654	1300.4	
	4973		647			6787		655		
	4326		1296			6132		1309		
	14921	4.974		1432.7		20360	6.787		1431.3	
12	4890		650			7787		667		
	4240		651			7120		667		
	3589		1301			6453		1334		
	12719	4.240		1562.8		21360	7.120		1564.7	
13	4787		651			8370		645		
	4136		654			7725		645		
	3482		1305			7080		1290		
	12405	4.135		1693.3		23175	7.725		1693.7	
14	5731		653			8032		649		
	5078		653			7383		648		
	4425		1306			6735		1297		
	15234	5.078		1823.9		22150	7.383		1823.4	
15	4242		654			7119		644		
	4188		654			6475		643		
	3534		1308			5832		1287		
	12564	4.188		1954.7		19426	6.475		1952.1	
		62.844					108.739			

F.B. 1[illegible] PG. 1[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 11:20-3:00 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL-NET
Job No. 4923
From BM 1-15 To BM 1-16
Date JULY 10, 1951
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
16	4748	62.844	649	1954.7		7109	100.739	647	1952.1	
	4099		649			6462		645		
	3450		1298			5817		1292		
	12297	4.099		2084.5		19388	6.463		2081.5	
17	4789		647			6992		651		
	4092		646			6341		652		
	3446		1293			5689		1303		
	12277	4.092		2213.8		19021	6.341		2211.6	
18	4670		655			7108		648		
	4015		656			6460		649		
	3359		1311			5811		1297		
	12044	4.015		2344.9		19379	6.460		2341.3	
19	5181		646			6502		645		
	4535		648			5857		648		
	3887		1294			5209		1293		
	13603	4.534		2474.3		17568	5.856		2470.6	
20	6244		649			5961		651		
	5595		649			5310		653		
	4946		1298			4657		1304		
	16785	5.595		2604.1		15928	5.309		2601.0	
		85.179					139.168			

F.B. 1202 PG. 112

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 11:20-3:00 PM Rod No. 7 & 8

Name L A Co Precise Level No. 1
Job No. 4923
From BM 1-15 To BM 1-16
Date JULY 10, 1951
Indexed A. 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
21	5043 4741 4440 14224	85.179 4741	302 301 603	2604.1 2664.4	83°	7111 6804 6497 20412	139.168 6804	307 307 [illegible]	2601.0 2662.4	BM 1-16 SEE F B 1206 21 FOR DESCRIPTION
										SUMMATION OF ROD BM 1-15 TO BM 1-16
										TOTAL BACKSIGHTS 89.92 " FORESIGHTS 145.97 DIFF. IN ELEVATION -5[illegible].05
		89.920					145.972			

F.B. [illegible] PG. 1[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. 1202 PG. 184

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 - 4:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From BM 1-16 To BM 1-15
Date JULY 10, 1951
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.	7082 6773 6466 20321	6.774	309 307 616	61.6	#7 183°	5011 4710 4409 14130	4.710	301 301 602	60.2	BM 1-16 SEE F.B. 120 - 21 FOR DESCRIPTION
2	5933 5283 4631 15847	5.282	650 652 1302	191.8		6222 5571 4921 16714	5.571	651 650 1301	190.3	⊼ GEO. DREIER
3	6317 5870 5223 17610	5.870	647 647 1294	321.2		5198 4548 3901 13647	4.549	650 647 1297	320.0	
4	7142 6496 5849 19487	6.496	646 647 1293	450.5		4705 4051 3398 12154	4.051	654 653 1307	450.7	
5	7069 6418 5765 19252	6.417	651 653 1304	580.9		4817 4169 3521 12507	4.169	648 648 1296	580.3	
		30839					23.050			

F.B. [illegible] PG. 185

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 3:00-4:00 P.M. Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 1-16 To BM 1-15
Date JULY 10 1951
Indexed R. 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	7103	30.839 ✓	645	5801 ✓		4742	23.050 ✓	651	5803 ✓	
	6458		647			4091		[illegible]		
	5811		1292 ✓			3440		1300 ✓		
	19372 ✓	6457 ✓		7101 ✓		12275 ✓	4092 ✓		9193 ✓	
7	7152		642			4883		654		
	6510		642			4229		655		
	5868		1284 ✓			3573		1309 ✓		
	19530 ✓	6510 ✓		8385 ✓		12685 ✓	4228 ✓		8412 ✓	
8	7132		652			4820		649		
	6480		652			4173		646		
	5828		1304 ✓			3527		1295 ✓		
	19440 ✓	6480 ✓		9689 ✓		12520 ✓	4173 ✓		9705 ✓	
F.B. 1202 PG. 186 9	7438		649			4850		649		
	6789		649			4201		652		
	7140		1298 ✓			3549		1301 ✓		
	21367 ✓	7129 ✓		10987 ✓		12600 ✓	4200 ✓		11006 ✓	
10	7867		659			4990		660		
	7208		659			4330		659		
	6549		1318 ✓			3671		1319 ✓		
	21624 ✓	7209 ✓		12305 ✓		12991 ✓	4330 ✓		12325 ✓	
	65283 ✓					44173 ✓				

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 3:00 - 4:00 PM Rod No. 7 & 8

Name L.A. Co. [illegible] Eve. Ne
Job No. 49[illegible]
From [illegible] To [illegible]
Date JULY 10, 1951
Indexed 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
	74[illegible]	65.2[illegible]	652	1230.5		5598	44.073	648	1232.5	
	6759		652			4956		648		
	6107		1304			4302		1296		
	20297	6.759		1360.9	78°	14850	4.950		1362.1	STOPPED 4:00 P.M. 7-10-51
12	8281		641			5637		655		
	7640		640			4984		657		
	7000		1281			4337		1312		
	22921	7.640		1489.0	70°	14950	4.983		1433.3	BEGAN 8:30 A.M. 7-11-51
13	8418		656			5459		642		
	7762		654			4817		641		WEATHER CLOUDY
	7108		1310			4176		1283		
	23288	7.763		1620.0		14452	4.817		1621.6	
14	8293		641			5130		659		
	7644		651			4471		659		
	6993		1300			3812		1318		
	22930	7.6[illegible]		1750.0		13413	4.471		1753.4	
15	9144		663			4765		667		
	8481		663			4098		668		
	7818		1326			3430		1335		
	25443	8.481		1882.6		12293	4.098		1886.9	
		103.569					67.392			

F.B. 1[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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:30-9:20 A.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-16 To BM 1-15
Date JULY 10, 1951
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
16	7753 7091 6430 21274	103.569 7.091	662 661 1323	1882.6 20149		4479 3835 3191 11505	67.[illegible] 3.835	644 644 1288	1886.9 20157	
17	7478 6830 6182 20490	6.830	648 648 1296	21445		4353 3707 3060 11120	3.707	646 647 1293	21450	
18	8268 7621 6973 22962	7.621	647 648 1295	22740		3803 3150 2497 9450	3.[illegible]0	653 653 1306	22756	
19	7931 7280 6629 21840	7.280	651 651 1302	24[illegible]		3642 2995 2344 8979	[illegible]3	649 649 1298	24054	
20	7103 6443 5782 19328	6.443	660 661 1321	2536.3		4931 4300 3[illegible] 12899	4.[illegible]	631 632 1263	25317	
		138.834					85.377			

F.B. 1202 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:30-9:20 AM Rod No. 7 & 8

Name [illegible]
Job No. 4923
From BM 1-16 To [illegible] 1-15
Date JULY 10, 1951
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
21.	8461 7821 7182 23464	138836 [illegible]	640 639 1279	25363 26642	68°	5891 5231 4571 15693	85.377 5.231	660 660 1320	2531.7 2663.7	BM 1-15 SEE F.B. 1202 [illegible] FOR DESCRIPTION
										SUMMATION OF [illegible] BM 1-16 TO [illegible]
										TOTAL BACKSIGHTS + 46655 " FORESIGHTS − 90.608 DIFF IN ELEVATION + 56.047
		146655					90.608			

F.B. [illegible] 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. 1202 PG. 180										

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. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:45 - 1:30 P.M. Rod No. 7 & 8

Name L.A. Co. Precise L[illegible]
Job No. 4923
From BM 1-16 To [illegible] 1-17
Date JULY 11, 1951
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	7131 6486 5838 19455	6.485	645 648 1293	1293	#1 70°	6314 5665 5014 16993	5.664	649 651 1300	1300	BM -1[illegible] SEE F.B. [illegible] 21 FOR DESCRIPTION
2	5632 4978 4323 14933	4.978	654 655 1309	2602		6167 5520 4873 16560	5.520	647 647 1294	2594	⊼ H.F. NAUMANN
3	[illegible] 5348 4701 16046	5.349	649 647 1296	3898		6248 5604 4958 16810	5.603	644 646 1290	3884	
4	5751 5097 4443 15291	5.097	654 654 1308	5206		6306 5661 5017 16984	5.661	645 644 1289	5173	
5	6177 5524 4871 16572	5.524	653 653 1306	6512		5764 5126 4488 15378	5.126	638 638 1276	6449	
		27.433					27.574			

F.B. [illegible] PG. 181

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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:45-1:30 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-16 To BM 1-17
Date JULY 16, 1951
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
6.	5536	27.433	653	654.2		5373	[illegible]	649	644.8	
	4883		652			4724		648		
	4231		1305			4076		1297		
	16650	4883		7817		14173	[illegible]		7746	
7.	6158		634			6587		661		
	5524		634			5926		662		
	4890		1268			5264		1323		
	16572	5524		2085		17777	[illegible]		9069	
8	6546		663			5600		653		
	5883		663			4946		654		
	5220		1326			4292		1307		
	17649	5883		10411		14838	[illegible]		10376	
F.B. 2033 PG. 182 9	7388		640			6510		657		
	6748		641			5853		654		
	6107		1281			5199		1311		
	20243	6748		1169.2		17562	[illegible]		1168.7	
10	4712		658			6044		650		
	4054		656			5394		650		
	3398		1314			4744		1300		
	12164	4055		1360.6		16177	[illegible]		1298.7	
		54526					54[illegible]			

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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:45-1:30 PM Rod No. 7&8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-16 To 3 - 7
Date JULY 11, 1951
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
11.	4743	54526	650	13006		5534	54324	650	12987	
	4093		652			4884		646		
	3441		1302			4238		1296		
	12277	4092		1430.8		14656	4885		1428.3	
12.	8093		810			11801		658		
	7283		810			11143		660		
	6473		1620			10483		1318		
	21849	7283		1592.8		33427	11142		1560.1	
13	2469		507			2208		783		
	1962		508			1425		782		
	1454		1015			0643		1565		
	5885	1962		1694.3		4276	1425		1716.6	
14	9142		514			3597		554		
	8628		518			3043		554		
	8110		1032			2489		1108		
	25880	8627		1797.5		9129	3043		1827.4	
15	3433		715			5291		580		
	2718		718			4711		580		
	2000		1433			4131		1160		
	8151	2717		1940.8		14133	4711		1943.4	
		79207					79530			

F.B. 1202 PG. 183

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 - 1:30 PM Rod No. 748

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-16 To BM 1-17
Date JULY 11 1951
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
16	6441 5783 5127 17351	79.207 5784	658 656 1314	1943.8 2072.2		6479 5[illegible] 5198 17516	7[illegible]530 5[illegible]39	640 641 1281	1943.4 2071.5	
17	7216 6566 5914 19696	6565	650 652 1302	2202.4		6458 5799 5[illegible] 17397	5[illegible]	659 659 1318	2203.3	
18	6857 6192 5526 18575	6192	665 666 1331	2335.5		6462 5742 5081 17225	5[illegible]42	660 661 1321	2335.4	
19	6222 5569 4918 16709	5570	653 651 1304	2465.9		5691 5053 4415 15159	5[illegible]	638 638 1276	2463.0	
20	7293 6643 5995 19931	6644	650 648 1298	2595.7	80°	3763 5121 4480 15364	5121	642 641 1283	2591.3	1 HOUR OUT TO LUNCH
		109.962					107.084			

F.B. 1202 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 9:45 - 1:30 PM Rod No. 7 & 8

Name L.A. Co. Precise Level [illegible]
Job No. 4923
From BM 1-16 To [illegible] 1-17
Date JULY 11, 1957
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
21	5959 5308 4657 15924	109.962 5.308	651 651 1302	2595.7 2725.9	85°	5133 4478 3819 13430	107.084 4.477	655 659 1314	2591.3 2722.7	
22	5589 4941 4296 14826	4.942	648 645 1293	2855.2		6370 5721 5068 17159	5.720	649 653 1302	2852.9	
23	5820 5190 4560 15570	5.190	630 630 1260	29812		6938 6294 5650 18882	6.294	644 644 1288	29817	BM -17 SEE F.B. 1202 [illegible] FOR [illegible]
										SUMMATION OF [illegible] BM 1-16 TO [illegible]
					86°					TOTAL BACKSIGHTS - 125.402 " FORESIGHTS 123.575 DIFF IN ELEVATION - 1.827
		125.402					123.575			

F.B. [illegible] PG. 185

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. [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 1:30-3:45 PM Rod No. 7&8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-17 To B 9 1-16
Date JULY 11, 1951
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	6971 6328 5685 18984 ✓	6328 ✓	643 643 1286 ✓	128.6 ✓	#7 86°	5860 5228 4599 15686 ✓	5229 ✓	632 630 1262 ✓	1262 ✓	B.M. 1-17 SEE F.B. 1202 22 FOR DESCRIPTION
2	6371 5726 5081 17[illegible] ✓	5726 ✓	645 645 1290 ✓	257.6 ✓		5607 4952 4298 14857 ✓	4952 ✓	655 654 1309 ✓	257.1 ✓	π H.F. NAUMANN
3	5084 4423 3763 13250 ✓	4423 ✓	661 660 1321 ✓	389.7 ✓		5898 5253 4608 15759 ✓	5253 ✓	645 645 1290 ✓	386.1 ✓	
4	5754 5120 4483 15357 ✓	5119 ✓	634 637 1271 ✓	516.8 ✓		7298 6642 5987 19927 ✓	6642 ✓	656 655 1311 ✓	517.2 ✓	
5	6269 5633 4994 16896 ✓	5632 ✓	636 639 1275 ✓	644.3 ✓		6797 6142 5486 18425 ✓	6142 ✓	655 656 1311 ✓	648.3 ✓	
		27228 ✓					28218 ✓			

F.B. [illegible] 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. 50410
Notes by S. SHINODA Time 1:30-3:45 PM Rod No. 7E8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4723
From BM 1-17 To BM 1-16
Date JULY 11, 1951
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	6378	5722	661	648.3		6839	6173	666	648.3	
	5717		661			6173		666		
	5056		1322			5507		1332		
	17156	5717		776.5		18519	6173		781.5	
7	6418		657			7184		651		
	5761		656			6533		650		
	5125		1313			5883		1301		
	17284	5761		972.8		19600	6533		916.6	
8	6448		658			6377		643		
	5790		659			5734		641		
	5131		1317			5093		1284		
	17369	5790		1039.5		17204	5735		1040.0	
F.B. 1202 PG. 188 9	6292		643			4316		654		
	5650		644			3662		655		WEATHER - CLEAR, WINDY
	5006		1286			3007		1309		
	16948	5649		1168.1		10985	3662		1170.9	
10	10326		648			4187		639		
	9678		650			3548		640		
	9028		1298			2908		1279		
	29032	9677		1297.9		10643	3548		1298.8	
		59.822					53.159			

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 1:30-3:45 PM Rod No. 7.5.3

Name L.A. & Pacific Ry. Div. Net
Job No. 4925
From BM 1-17 To B 7-16
Date JULY 11, 1951
Indexed A.C.D. [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
11	5858	59.822	654	1297.9		8174	53.869	646	1298.8	
	5204		653			7528		645		
	4551		1307			6883		1291		
	15613	5.204		1428.6		22585	7.528		1427.9	
12	2192		534			8268		546		
	1658		536			7722		544		
	1122		1070			7178		1090		
	4972	16.57		1535.6		23168	7.723		1536.9	
13	6128		652			5330		650		
	5476		655			4680		650		
	4821		1307			4030		1300		
	16425	5.475		1666.3		14040	4.680		1666.9	
14	6043		650			4708		654		
	5393		650			4054		655		
	4743		1300			3399		1309		
	16179	5.393		1799.3		12161	4.054		1799.8	
15	6489		649			7384		647		
	5840		649			6737		649		
	5191		1298			6088		1296		
	17520	5.840		1926.1		20209	6.736		1927.4	
		83.391					84.590			

F.B. [illegible] PG. 1[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 1:30-3:45 Rod No. 7 & 8

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-17 To BM 1-16
Date JULY 11, 1951
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
16	5603 4948 4293 14844	83.391 4948	655 655 1310	1926.1 20571		6543 5886 5227 17656	84.590 5885	658 659 1318 6	19274 20590	
17	6428 5771 5114 17313	5771	657 657 1314	2188.5		6107 5469 4832 16408	5469	638 637 1275	21865	
18	5376 4729 4083 14188	4729	647 646 1293	23178		5503 4886 4231 14660	4887	658 655 1313 2	23179	
19	5805 5167 4529 15501	5167	638 638 1276	24454		6223 5571 4918 16712	5571	652 653 1305	24482	
20	6404 5759 5112 17275	5758	645 647 1292	25746		5846 5194 4543 15583	5194	652 651 1303	25785	
		109.764					111.096			

F.B. 1202 PG. 190

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 1:30-3:45 PM Rod No. 7 & 8

Name L A Co PRECISE EYE NET
Job No. 4923
From BM 1-17 To BM 1-16
Date JULY 11, 1951
Indexed 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
21	6301 5658 5012 16971	109.764 5657	643 646 1289	25746 27035		6053 5405 4756 16214	111.596 5405	648 649 1297	25787 27084	
22	6208 5549 4890 16647	5549	659 659 1318	28353		5653 5011 4368 15032	5011	642 643 1285	28369	
23	6483 5828 5173 17484	5828	655 655 1310	29663	81°	7293 6648 6002 19943	6648	645 646 1291	29660	B.M 1-16 SEE F.B. 1202-21 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-17 TO BM 1-16
										TOTAL BACKSIGHTS 126.798 " FORESIGHTS 128.660 DIFF IN ELEVATION 1.862
		126.798					128.660			

F.B. [illegible] 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..... 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. 1202 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:15-10:30 AM Rod No. 7E3

Name L.A. CO. SURVEY DIST
Job No. 4923
From BM 1-17 To [illegible]
Date JULY 12, 195[illegible]
Indexed 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
	[illegible] 6053 [illegible] 18248	[illegible]	339 640 1979	1279	66°	[illegible] 4972 [illegible] [illegible]	[illegible]	642 640 1922	1282	BM 1-17 SEE F.B. [illegible] FOR DESCRIPTION
2	6314 [illegible] 6393 17216	[illegible]	645 [illegible] [illegible]	[illegible]		5616 [illegible] [illegible] 14884	[illegible]	55 [illegible] 1314	2592	TO H.F. NAUMANN
3	[illegible] [illegible] 5771 15317	[illegible]	65[illegible] 65[illegible] 1316	3886		5715 5269 [illegible] 18863	[illegible]	[illegible] [illegible] [illegible]	3858.5	
4	5811 [illegible] 4327 13550	5168	649 621 1273	5169		7356 [illegible] 6640 20370	6690	250 [illegible] 1350	5185	
5	6230 5662 5018 16984	5661	692 618 1266	6455		6812 6164 5520 17508	6169	[illegible] [illegible] 1349	6476	
		27092					28064			

F.B. [illegible] PG. 103

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. Nau[illegible] Weather [illegible] Inst. No. 50010
Notes by S. Shinoda Time [illegible] Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. 4923
From BM -17 To BM -16
Date July 12, 1951
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
6	6401 5739 [illegible] 17218	27.09[illegible] 5.739	[illegible] 661 1323	[illegible]		6853 6193 5530 18576	[illegible]	660 663 1323	648.4 7807	
7	6311 5655 4398 16964	5.655	656 [illegible] 13[illegible]3	[illegible]		[illegible] [illegible] 5773 [illegible]	[illegible]	64[illegible] [illegible] 13[illegible]	[illegible]	
8	[illegible] 5822 5174 17464	5.821	6[illegible] 648 [illegible]	[illegible]		[illegible] [illegible] 5[illegible] [illegible]	[illegible]	652 652 13[illegible]04	[illegible]	
9	6[illegible] 5680 [illegible]31 17040	5.680	6[illegible] [illegible] [illegible]	[illegible]		4336 368[illegible] 3[illegible] 11[illegible]	[illegible]	649 648 1297	1172.8	
10	10411 9758 9102 29271	9.757	65[illegible] 656 13[illegible]09	[illegible]		4260 3627 2994 10881	3.[illegible]7	[illegible]33 633 126[illegible]	12974	
		59.742					53.[illegible]			

F.B. 1202 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. F. NAUMANN Weather CLOUDY Inst. No. 50070
Notes by S. SHINODA Time 8:15-10:30 AM Rod No. 7 & 8

Name L.A. Co. [illegible] LEVEL NO.
Job No. 4923
From BM 1-17 To [illegible] 1-16
Date JULY [illegible] 1957
Indexed [illegible] 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
11.	5859 5206 4553 15618	5[illegible] 5.206	653 653 1306	1[illegible] 14298		8180 7535 6890 22606	5[illegible] 7.535	644 [illegible] [illegible] [illegible]	1[illegible] 14264	
12.	2140 1614 1090 4844	1615	526 524 1050	15348		8233 [illegible] 7189 23226	7.675	559 555 1114	15378	
13.	2164 5509 4853 16526	5[illegible]	655 656 1311	16659		5963 4715 4067 14745	4.715	[illegible] 648 1296	16674	
14.	6047 5398 4748 16193	5.398	649 650 1299	17958		4709 4055 3377 [illegible]63	4.054	654 656 1310	17984	
15.	6584 5794 5283 17801	5.934	650 6[illegible] 1301	19259		7473 6828 6181 20482	6.8[illegible]	645 647 1292	19276	
		83404					84573			

F.B. [illegible] PG. 195

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. Neumann Weather Cloudy Inst. No. 50010
Notes by S. Shinoda Time 8:15-10:30 AM Rod No. 7 & 8

Name L. A. Co. Precise Level Net
Job No. 4923
From BM 1-17 To BM 1-16
Date July 12, 1951
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
16	5643 4989 4338 14970	83.404 ✓ 4990 ✓	654 651 1305 ✓	19259 ✓ 20564 ✓		6588 5928 5269 17785	84.573 ✓ 5[illegible] ✓	660 659 1319 ✓	19276 ✓ 20595 ✓	
17	6470 5814 5159 17443	5.814 ✓	656 655 1311 ✓	21875 ✓		6147 5506 4867 16520	5.507 ✓	641 639 1280 ✓	21875 ✓	
18	5388 4741 4096 14225	4.742 ✓	647 645 1292 ✓	23127 ✓		[illegible] 4892 4231 14679	4.892 ✓	655 654 1309 ✓	23184 ✓	
19	5826 5188 4550 15564	5.188 ✓	638 638 1276 ✓	24443 ✓		6241 5589 4937 16767	5.589 ✓	652 652 1304 ✓	24488 ✓	
20	6451 5798 5141 17390	5797 ✓	653 657 1310 ✓	25753 ✓		5873 5232 4588 15693	5231 ✓	641 647 1285 ✓	25773 ✓	
		109.935 ✓					111.920 ✓			

F.B. 1202 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 S. SHINODA Time 8:15-10:30 AM Rod No. 7 & 8

Name L.A. Co. Precise Level No.
Job No. 4923
From BM 1-17 To F.B. 1-16
Date JULY 12, 195[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
21	6294 5652 5007 16953	109.935 5.651	642 645 1287	2575.3 27040		6048 5398 4748 16194	111.720 5.398	650 650 1300	2577.3 2707.3	
22	6273 5626 4978 16877	5.626	646 648 1294	2833.3		5734 5082 4428 15244	5.081	652 654 1306	2837.9	
23	6511 5850 5191 17552	5.851	661 659 1320	2965.3	76°	7311 6672 6032 20015	6.672	639 640 1279	2965.8	BM 1-16 SEE F.B. [illegible] FOR DESCRIPTION
										SUMMATION OF [illegible] BM 1-17 [illegible]
										TOTAL BACKSIGHTS = 27063 " FORESIGHTS = 28.871 DIFF. IN ELEVATION = 1808
		127.063					128.871			

F.B. [illegible] PG. 197

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. 1202 PG. 49

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 10:45 - 11:40 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4928
From BM 1-17 To B 11-2
Date JULY 12, 1951
Indexed 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	6503 5851 5200 17554	5.851	652 651 1303	130.3	#7 78°	5585 4936 4288 14809	4.936	649 648 1297	129.7	BM 1-17 SEE F.R. 1402-D FOR DESCRIPTION
2	6430 5777 5121 17328	5.776	653 656 1309	261.2		5630 4984 4338 14952	4.984	646 646 1292	258.9	X GEO. DREIER
3	6144 5493 4842 16479	5.493	651 651 1302	391.4		5610 4973 4335 14919	4.973	637 638 1275	386.4	
4	6232 5588 4941 16761	5.587	644 647 1291	520.5		5358 4692 4030 14075	4.692	661 662 1323	518.7	
5	8647 7969 7290 23908	7.969	680 679 1359	656.4		8452 7792 7133 23377	7.792	660 659 1319	650.6	
		30.676					27.377			

F.B. 12 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. NAUMANN Weather CLEAR Inst. No. 50610
Notes by S. SHINODA Time 10:45-11:40 Rod No. 7 & 8

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-17 To BM 1-18
Date JULY 12, 1951
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
6.	6451 5795 5139 17385	30676 5.795	656 656 1312	656.4 7876		5822 5234 4587 15703	21.377 5.234	648 647 1295	650.6 780.1	
7.	6563 5913 5264 17740	5.913	650 649 1299	9175		6298 5649 5002 16949	5.650	649 647 1296	9097	SUMMATION OF RUN BM 1-17 TO BM 1-18
8.	6421 5928 5436 17785	5.928	493 492 985	10160		6340 5830 5317 17489	5.830	512 513 1025	10122	TOTAL BACKSIGHTS + 53.721 " FORESIGHTS − 50.130 DIFF IN ELEVATION + 3.591
9	5764 5409 5053 16226	5.409	355 356 711	10871		6406 6040 5672 18118	6.039	366 368 734	10856	BM 1-18 SEE F.B. 1202-23 FOR DESCRIPTION
		53.721			79°		50.130			

F.B./2 [illegible] PG. 200

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 11:40 - 1:30 PM Rod No. 788

Name L.A. Co. Precise Level Net
Job No. 4723
From BM 1-18 To [illegible] 1-17
Date JULY 12, 1951
Indexed 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.	6378 6019 5660		359 359 718		F7	5751 5388 5025		363 363 726		BM 1-18 SEE F.B. 12[illegible]-[illegible] FOR LEGEND
	18057	6019		718	79°	16164	5388		726	
2	6643 6146 5649		497 497 994			6756 6244 5732		512 512 1024		TO GEO. DREAR
	18438	6146		1712		18732	6244		1756	
3	6318 5669 5020		649 649 1298			6583 5936 5288		647 648 1295		
	17007	5669		3010		17807	5936		3045	
4.	5859 5212 4565		647 646 1293			6428 5771 5112		657 659 1316		
	15637	5212		4303		17311	5770		4361	
6	8219 7597 6975		622 621 1243			8429 7769 7111		660 658 1318		1. HOUR OUT TO LUNCH
	22792	7597		5666	80°	23309	7770		5679	
		30643					31108			

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 11:40-1:30 Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-18 To BM 1-17
Date JULY 12, 1951
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
6	5375 4724 4074 14173	30.645 4724	651 650 1301	5666 6967	84°	6275 5620 4965 16860	31.[illegible] 5620	655 655 1310	5679 6989	
7	5531 4889 4448 14668	4889	642 641 1283	8250		6059 5410 4761 16230	5410	649 649 1298	8287	SUMMATION OF RUN BM 1-18 TO BM 1-17
8	5759 5101 4440 15300	5100	658 661 1319	9569		6532 5891 5248 17671	5[illegible]10	641 643 1284	9571	TOTAL BACKSIGHTS + 50.349 " FORESIGHTS − 53.938 DIFF IN ELEVATION − 3.589
9	5640 4993 4347 14980	4993	647 646 1293	10862	88°	6562 5910 5259 17731	5910	652 651 1303	10874	BM 1-17 SEE F B 1202-22 FOR DESCRIPTION
		50.349					53.938			

F.B. 1202 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. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:50 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-18 To B 71-9
Date JULY 12, 1951
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	7933 7288 6642 21863	7.288	645 646 1291	129.1	#7 18[illegible]	6217 5574 4932 16723	5.574	643 642 1285	128.5	BM 1-18 SEE F B 1202-73 FOR DESCRIPTION
2	7069 6418 5766 19253	6.418	651 652 1303	259.4		6660 6009 5359 18028	6.009	651 650 1301	257.6	
3	6173 5520 4868 16561	5.520	653 652 1305	389.9		5600 4950 4301 14851	4.950	650 649 1299	388.5	
4	6492 5844 5196 17532	5.844	648 648 1296	519.5		5288 4629 3971 13888	4.629	659 658 1317	520.2	
5	6165 5523 4882 16570	5.523	642 641 1283	647.8		5451 4796 4141 14388	4.796	655 655 1310	651.2	
		30.593					25.958			

F.B. [illegible] PG. 103

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 1:30-2:50 P.M. Rod No. 7.E.B.

Name L. A. Co. Precise Level Net
Job No. 4923
From BM 1-18 To BM 1-19
Date June 12, 1951
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
6	6382	30.593	.651	647.8		5401	25.158	.650	651.2	
	5731		.651			4751		.650		
	5080		1302			4101		1300		
	17193	5731		778.0		14271	4757		781.2	
7	6087		.658			5390		.641		
	5629		.651			4749		.641		
	4972		1315			4108		1282		
	16888	5629		1095		14247	4749		909.4	
8	6141		.653			5551		.65[illegible]		
	5488		.653			4900		.654		
	4833		1308			4241		1303		
	16462	5487		1040.3		14691	4[illegible]		1038.7	
F.B. 1202 PG. 204 9	6464		.653			5802		.649		
	5811		.653			5153		.647		
	5158		1306			4506		1296		
	17433	5811		1170.7		15461	5154		1164.3	
10	6330		.650			5529		.651		
	5680		.650			4878		.652		
	5030		1300			4226		1303		
	17040	5680		1300.9		14633	4878		1299.6	
		58.931					50.596			

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 1:30-2:50 PM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From BM 1-18 To B. [illegible]-19
Date JULY 12, 1951
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
11.	6392 5741 5089 17222	58.931 5741	651 652 1303	1300.9 1431.2		5687 5041 4396 15124	50396 5.041	645 646 1291	1299.6 1428.7	SUMMATION OF [illegible] BM 1-18 TO B[illegible]
12.	6341 5688 5032 17061	5.687	653 656 1309	1562.1		5648 5000 4352 15000	5.000	648 648 1296	1558.3	TOTAL BACKSIGHTS - 82.193 [illegible] 71266 DIFF IN ELEVATION 10927
13.	6589 6109 5627 18325	6108	480 482 962	1658.3		6087 5607 5127 16821	5.607	480 480 960	1654.3	SLIGHT BREEZE
14	6253 5727 5198 17178	5.726	526 529 1055	1763.8		5772 5222 4672 15666	5.222	550 550 1100	1764.3	BM 1-19 SEE F.B. 1202-2[illegible] FOR DESCRIPTIO[illegible]
		82,193			83°		71266			

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. PG. 206										

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 - 4:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-19 To [illegible]-18
Date JULY 12, 1951
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
1	5727 5171 4621 15513	5.171	550 550 1100	110.0	#7 83°	6202 5673 5144 17019	5.673	529 529 1058	105.8	BM 1-19 SEE F.B. 1200 [illegible] FOR DESCRIPTION
2	6063 5583 5102 16748	5583	480 481 961	206.1		6566 6084 5602 18252	6.084	482 482 964	202.2	
3	5607 4960 4312 14879	4.960	647 648 1295	335.6		6301 5647 4991 16939	5.646	654 656 1310	333.2	
4	5691 5046 4400 15137	5.046	645 646 1291	464.7		6399 5749 5098 17246	5.749	650 651 1301	463.3	
5	5539 4888 4236 14663	4.888	651 652 1303	595.0		6339 5689 5039 17067	5.689	650 650 1300	593.3	
		25.648					28.841			

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 [illegible] Inst. No. 50010
Notes by S. Shinoda Time 2:50-4:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-19 To BM 1-18
Date July 12, 1951
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
6	5831 5182 4533 15546	25.648 5.182	649 649 1298	5950 9228		6496 5843 5191 17530	[illegible] 5.[illegible]	653 652 1305	5933 9238	
7	[illegible] 4883 4230 14647	4.882	651 653 1304	855.2		6123 5470 4817 16410	5.[illegible]	653 653 1306	8544	
8	5663 5013 4363 15039	5013	650 650 1300	985.[illegible]		6545 5895 5245 17685	5895	650 650 1300	9844	
9	5412 4763 4113 14288	4763	649 650 1299	1115.1		6393 5740 5086 17219	5[illegible]	653 654 1307	1115.1	
10	5455 4802 4149 14406	4802	653 653 1306	1245.7		6175 5530 4887 16592	5[illegible]3 N	645 643 1288	1243.9	
		50.290					57.320			

F.B./202 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 S SHINODA Time 2:50-4:00 AM Rod No. 7 & 8

Name L A Co Parkway Div 16
Job No. 4923
From BM 1-19 To B 1-18
Date JULY 14, 1952
Indexed R. C. J. LINSON

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
11	5283	50.290	654	1245.7		6492	57.320	658	1243.9	
	4629		655			5839		654		
	3974		1309			5185		1307		
	13886	46.29		13766		17516	58.39		13746	
12	5608		650			6180		655		
	4958		650			5525		654		SUMMATION OF FOR
	4308		1300			4871		1309		BM 1-19 TO CP 18
	14874	49.58		15066		16576	55.25		15055	
13	5958		642			6376		655		
	5310		646			5721		656		TOTAL BACKSIGHTS 17 [illegible]
	4664		1294			5065		1311		" FORESIGHTS [illegible]
	15932	53.31		16360		17162	57.21		16366	DIFF. IN ELEVATION [illegible]
14	6251		641			7972		646		
	5610		641			7326		647		BM 1-18
	4969		1282			6679		1293		SEE FB 1202 [illegible]
	16830	56.10		17642	85°	21977	73.26		17659	FOR DES & [illegible]
		70.798					81.731			

F.B. 1202 PG. 104

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. 1200 PG. 210

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 8:20-9:10 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL N.
Job No. 4923
From BM 1-19 To 5 1-20
Date JULY 13, 95
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] 7416 [illegible]	7.416	652 652 1304	1304	#7 70°	[illegible] 8916	2.972	650 650 1300	1300	BM 1-19 SEE F.B. 1202 24 FOR DESCR [illegible]
2	4277 [illegible] 2977 [illegible]	[illegible]	647 649 1278	2602		[illegible] 15776	5.259	[illegible] 1301	2621	T. GEO DREIER
3	[illegible] 4538 3883 [illegible]	4.537	652 [illegible] 1307	[illegible]		5550 4910 [illegible] 14[illegible]	4910	642 642 1283	3884	
4	6160 5509 4868 16527	5.509	651 651 1302	5211		5655 5010 4365 15031	5010	644 646 1290	5[illegible]	
5	[illegible] 5030 4381 15090	5.030	649 649 1298	6509		4798 4141 3485 12424	4.141	657 656 1313	6487	
		26.120					22.192			

F.B. [illegible] PG. 211

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. 52010
Notes by [illegible] Time 8:20 9:10 A. Rod No. 7&8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 1-19 To BM 1-20
Date JULY 13, 1951
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
6.	5081 4431 3780 13292	26120 4431	650 651 1301	650.9 781.0		5373 4723 4073 14169	22[illegible] 4[illegible]	650 650 1300	648.7 778.7	
7.	5970 6300 4686 15[illegible]85	[illegible]328	641 643 1284	909.4		6270 5620 4972 16862	[illegible]	650 648 298	908.5	
8	4319 3743 3168 1230	3.743	576 575 1151	102[illegible]	70°	7422 6827 6230 20479	[illegible]6	595 597 [illegible]	1027.7	BM 1-20 SEE F.B 1202-25 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-19 TO BM 1-20
										TOTAL BACKSIGHTS +39.622 " FORESIGHTS -39.462 DIFF IN ELEVATION + 0.160
		39.622					39.462			

F.B. 1202 PG. 212

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 9:16 - 9:45 AM Rod No. 7 & 8

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-20 To B 1-14
Date JULY 13, 1951
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	7361 6767 6170 20300	6,767	594 595 1189	118.9	#7 70°	4258 3682 3107 11047	3682	576 575 1151	115.1	BM 1-20 SEE F.B. 1202 25 FOR DESCRIPTION
2	6254 5610 4965 16829	5,610	644 645 1289	247.8		5964 5317 4666 15949	5,316	647 649 1296	244.7	* GEO. CREIER
3	5529 4881 4232 14642	4,880	648 649 1297	377.5		5241 4588 3937 13767	4589	652 652 1304	375.1	
4	4621 3978 3332 11931	3,977	643 646 1289	506.4		5507 4868 4228 14603	4868	660 660 1321	507.2	
5	5630 4986 4341 14957	4,986	644 645 1289	635.3		6136 5485 4833 16454	5485	651 652 1303	637.5	
		26.221					23.910			

F.B. ..... PG. 213

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 [illegible] Weather CLEAR Inst. No. [illegible]
Notes by S. SHINODA Time 9:10 - 9:45 Rod No. 7&8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4903
From BM 1-20 To BM 1-19
Date JULY 13, 1951
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
6	5541 4900 4259 14700	26221 4.900	641 641 1282	6353 7655		5180 4525 3870 13575	23940 [illegible]	655 655 1310	6375 7685	
7	5971 5322 4672 15965	5322	641 650 [illegible]	8934		[illegible] 3645 3044 [illegible]	[illegible]	648 651 [illegible]	8934	
8	3550 2888 2225 8663	2888	662 663 [illegible]	10263		7970 7331 [illegible] 21[illegible]	7331	641 641 1282	10266	BM 1-19 SEE F.B. 1202-24 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-20 TO BM 1-19
					720					TOTAL BACKSIGHTS +39.331 " FORESIGHTS −39.490 DIFF. IN ELEVATION −0.159
		39331					39490			

F.B. 1202 PG. 214

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 10:30 - 12:00 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL No. 7
Job No. 4923
From BM 1-20 To [illegible]
Date JULY 13, 1951
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.	7331 6924 6518 20773	6.924	407 406 813	813	#7 76°	5041 4623 4207 13871	4.604	417 416 833	83.3	BM 1-20 (EL MO[illegible]) SEE F.B. [illegible] FOR DESCRIPTION
										WN #3 WHITTIER NARROWS #3 SEE F.B. 1202-[illegible] FOR DESCRIPTION
2	6751 6096 5440 18287	6.096	655 656 1311	2124		5701 5054 4408 15163	5.054	647 646 1293	212.7	X GEO. DRAFTER
3.	5315 4664 4012 13991	4.664	651 652 1303	3427		5449 4802 4158 14409	4803	647 644 1291	341.4	
4	6111 5461 4811 16383	5.461	650 650 1300	4727		5691 5043 4391 15130	5.043	653 652 1305	472.3	
		23.145					19.524			

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. 5[illegible]
Notes by S. Shimoda Time 10:30-12:00 Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. 4928
From [illegible] To [illegible]
Date July 13, 1957
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	5280	23.145	651	4727		4921	[illegible]	648	4728	
	4631		651			4273		645		
	3980		1302			3628		1293		
	13873	4631		6029		12822	4274		6015	
6	5671		650			[illegible]		651		
	5021		650			5017		[illegible]		
	4371		1300			[illegible]		1302		
	15063	5021		7329		15051	[illegible]		7317	
7	6783		645			3022		654		
	6138		647			2368		653		
	5491		1292			1715		1307		
	18412	6137		8621		11105	2368		8624	
F.B. 202 PG. 216 8	5700		651			[illegible]		651		
	5049		650			[illegible]		650		
	4399		1301			[illegible]		1301		
	15148	[illegible]		[illegible]		13831	[illegible]		9925	
9	5641		653			4862		650		
	4988		649			4212		649		
	4339		1302			3563		1299		
	14968	4989		11224		12637	[illegible]		11224	
		48.972					49.905			

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 S. SHINODA Time 10:30-12:00 Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 1-20 To B 1-21
Date JULY 13, 1951
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	5671 5020 4370 15061	48[illegible] 5.020	651 650 1301	11224 12525		6130 5480 4830 16440	40.005 5.480	650 650 1300	11224 12525	
11	5774 5130 4485 15389	5.130	644 645 1289	13814		4353 3701 3050 [illegible]104	3.701	652 651 1303	13828	
12	7953 7301 6648 21902	7301	652 653 1305	15119		4970 4321 3671 12962	4321	641 650 1299	15127	
13	5642 [illegible] 4[illegible] 15425	5.142	500 501 1001	16120		5277 4779 4281 14337	4.779	498 498 996	16123	
14	5630 5191 4750 15571	5.190	439 441 880	17000		2269 1812 1357 5438	1.813	457 455 912	17035	
		16.755					60.099			

F.B. [illegible] PG. 217

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. SHINOGA Time 10:30-12:00 Rod No. 7 & 8

Name LA Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-20 To BM 1-21
Date JULY 13, 1951
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
		76.755 ✓					60.099 ✓			US 560 (US BM 210.2) TOP OF CONCRETE EAST EDGE OF SQUARE CHISELED HOLE .018 DEEP
15	5583 3102 2689 9304 ✓	3101 ✓	411 413 824 ✓	1700.10 ✓ 1782.4 ✓		5583 5173 4762 15518 ✓	5173 ✓	410 411 821 ✓	1703.5 ✓ 1785.6	
										B.M 1-22 (US 561) (A-15-1922) SEE FB 1202-26 FOR DESCRIPTION
6	6141 5645 5148 16934 ✓	5645 ✓	496 497 993 ✓	1887 ✓		5874 5383 4891 16148 ✓	5383 ✓	491 492 983 ✓	1883.9	SUMMATION OF LOW BM 1-20 TO BM 1-21 TOTAL BACKSIGHTS + 91.092 ✓ FORESIGHTS − 76.668 ✓ DIFF IN ELEVATION + 14.424 ✓
17	5981 5591 5202 16774 ✓	5591 ✓	390 389 779 ✓	1959.6 ✓	88°	6388 6013 5639 18040 ✓	6013 ✓	375 374 749 ✓	1958.8	BM 1-21 (EL MONTE E 9) SEE FB 1202-26 FOR DESCRIPTION
		91.092 ✓					76.668 ✓			

F.B. 1202 PG. 218

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 S. SHINODA Time 1:15-3:00 P.M. Rod No. 7 & 8

Name L.A. Co. Pre[illegible] Nr
Job No. 4923
From BM 1-21 To B[illegible]
Date JULY 13, 1951
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.	2170 5786 5401 17357	5786	384 385 769	76.9	#7 86°	5746 5364 4981 16091	5.364	382 383 765	76.5	B.M. [illegible] (El Monte E.9) SEE F.B. [illegible] FOR DESCRIPTION
2.	5860 5370 4880 16110	5370	490 490 980	17.49		6129 5632 5138 16899	5.633	497 494 991	175.6	T GEO. DRIVER
										B.M. 1-22 (US 56[illegible] ([illegible]) SEE F.B. 1202 [illegible] FOR DESCRIPTION
3.	5665 5253 4842 15760	5.253	412 411 823	257.2		5595 3181 2769 9545	3.182	414 412 826	258.2	
										U.S. 560 (US BM [illegible]) TOP OF CONCRETE EAST [illegible] SQUARE CHISELED HOLE [illegible] DEED
		16.409					14.179			

F.B. 1202 PG. 219

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. NAUMAN Weather [illegible] Inst. No. 50010
Notes by S. [illegible] Time 1:15-3:00 P. Rod No. 78 B

Name L.A. Co. PRECISE LEVEL NET
Job No. 49[illegible]
From BM 1-21 To BM 1-20
Date JULY 13, 1951
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
4	2278	16.409	457	237.2		5637	14.79	438	258.2	
	1821		459			5199		439		
	1362		916			4760		877		
	5461	1.820		3488		15596	5.[illegible]		3459	
5	5223		497			5591		502		
	4726		498			5089		502		
	4228		995			4587		[illegible]		
	14177	4.726		1483		15267	5.089		4463	
6	4199		645			7861		655		
	4226		647			7206		656		
	3579		1292			6550		1311		
	12676	4.225		5775		21617	[illegible]		5774	
7	4402		652			5819		641		
	3750		652			5178		639		
	3098		1304			4539		1280		
	11250	3.750		7079		15536	5.119		7054	
8	6081		650			5627		652		
	5431		649			4975		653		
	4782		1299			4322		1305		
	16294	5.431		8378		14924	4.975		8359	
		36361					41327			

F.B. 1202 PG. 220

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 S. SHINODA Time 1:15-3:00 PM Rod No. 7 & 8

Name L.A. Co. Pressure Vessel
Job No. 4923
From [illegible] To [illegible]
Date JULY 15, 25
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
9.	4919 4268 3651 12804	3.361	651 651 1302	837.8		5519 5039 4381 15119	4.827	650 650 1300	835.9	
		4.268		968.6			5.039		965.9	
10	5201 4549 3896 13646	4.549	652 653 1305	1098.5		5643 4994 4343 14980	4.993	649 651 1300	1095.9	
11	3210 2560 1910 7680	2.625	654 656 1310	1229.5		7039 6395 5752 19186	6.395	644 643 1287	1224.6	
12	5690 5042 4391 15123	5.041	648 651 1299	1355.4		5701 5049 4396 15146	5.049	652 653 1305	1355.1	
13.	4989 4356 3721 13066	4.355	633 635 1268	1486.2		5371 4710 4047 14128	4.709	661 663 1324	1487.5	
		57.199					68.012			

F.B. 1201 PG. 221

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 1:15-3:00 PM Rod No. 168

Name LA Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-21 To BM 1-20
Date 4-24-13, 1951
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
14	5732 5082 4431 15245	57.199 ✓ 5.087 ✓	650 651 1301 ✓	14862 ✓ 16163 ✓		6152 5500 4848 16500	65.00 ✓	652 652 1304 ✓	14875 ✓ 16179 ✓	
15	5538 4889 4241 14668	48.89 ✓	649 648 1297 ✓	17460 ✓		5400 4751 4102 14253	47.51 ✓	649 649 1298 ✓	17477 ✓	SUMMATION OF RUN ON 1-21 TO BM 1-20
16	5276 5080 4481 15237	50.79 ✓	646 649 1295 ✓	18755 ✓		6773 6118 5463 18354	61.18 ✓	655 655 1310 ✓	18787 ✓	TOTAL BACKSIGHTS +77.069 ✓ " FORESIGHTS −91.500 ✓ DIFF. IN ELEVATION −14.431 ✓
F.B. 1202 PG. 22										W.N. #3 WHITTIER NARROWS #3 SEE F.B. 1202-25 FOR DESCRIPTION
17	5241 4820 4399 14460	48.20 ✓	421 421 842 ✓	19597 ✓	86°	7515 7119 6723 21357	71.19 ✓	396 396 792 ✓	19579 ✓	BM 1-20 (EL MONTE D-10) SEE F.B. 1202-25 FOR DESCRIPTION

77.069 ✓ 91.500 ✓

FORM 379 5M 7-40

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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 8:15-10:20AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4-23
From BM 1-21 To B. 1-23
Date JULY 16, 1951
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
1	7352 6671 5987 20010	6.670	681 684 1365	136.5	#7 74°	7482 6829 6174 20485	6.8[illegible]	653 655 1308	130.8	BM 1-21 (EL M[illegible]) SEE F.B. [illegible] 26 FOR DESCRIPTION
2	4715 4072 3430 12215	4.072	641 642 1283	264.8		6623 5[illegible]73 5330 17945	5.982	640 644 1284	201.2	[illegible] GEO. [illegible]
3	5837 5178 4518 15533	5178	659 660 1319	396.7		7239 6559 5879 19677	6.559	680 680 1360	395.2	
4	7063 6441 5816 19320	6.440	622 625 1247	521.4		7250 6634 6026 19[illegible]	6.638	611 613 1224	517.6	
5	5173 4[illegible] 3898 13623	4541	641 644 1285	649.9		4514 3861 3206 11581	3.860	653 655 1308	648.4	
		26.901					29.867			

F.B. [illegible] PG. 223

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 S. SHINODA Time 8:15-10:24 Rod No. 7[illegible]

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-21 To BM 1-23
Date JULY 16, 1951
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
6.	3830 3178 2523 9531	26.901 [illegible] 3.177	652 655 1307	6499 7806		9090 8459 7826 25375	29.867 [illegible]	631 633 1264	648.4 7748	
7.	8177 7432 6689 22298	7.433	745 743 1488	929.4		7699 6871 [illegible] 20613	[illegible]	828 828 1656	940.4	
8.	4797 4043 3290 12130	[illegible]	754 753 1507	1080.1		1491 0842 0191 2524	[illegible]	649 651 1300	1070.4	
9	7489 6836 6180 20505	6.835	653 656 1309	1211.[illegible]		4110 3437 2762 10309	[illegible]	673 675 1348	1205.2	
10.	8072 7576 7080 22728	7.576	496 496 992	1310.2		2470 1955 1440 5865	1.955	515 515 1030	1308.2	
		55.965					51.428			

F.B. 402 PG. 224

FORM 379 5M 7-40

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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 8:15-10:[illegible] AM Rod No. 7 & 3

Name L.A. Co. PRECISE [illegible] NET
Job No. 4923
From BM 1-21 To [illegible]
Date JULY 16, 1951
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
11	9102 8781 8460 26343	55.965 8.781	321 321 642	[illegible] 13744		3271 2939 2605 [illegible]	51.[illegible] 2.938	332 334 666	13082 13748	
		6[illegible].746					54.366			US.-562 (U.S. BM 2[illegible]8.6) TOP OF CURB [illegible] OF [illegible] SQUARE HOLE [illegible]09 [illegible] See F.B. 1202-36 [illegible]
12	7241 6581 5920 19742	6.581	660 661 1321	15065		4[illegible] [illegible] [illegible] [illegible]	3.396	645 [illegible] [illegible]	15041	
13	6731 6[illegible]5 5469 18345	6.115	646 646 [illegible]	[illegible]		[illegible] 4299 3635 [illegible]	[illegible]	663 664 1327	16368	
14	6726 6076 5426 18228	6.076	650 650 1300	17657		6979 6327 5675 18981	6.327	652 652 1304	17672	
		83.518					68.388			

F.B. 1202 PG. 225

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. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:15-12:20 AM Rod No. 7 & 8

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-21 To BM 1-23
Date JULY 16, 1951
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
15	6392 5740 5088 17220	83.518 5.740	652 652 1304	1765.7 18961		6248 5603 4959 16810	6[illegible]38.8 5.603	645 644 1289	1767.2 18961	
16	7643 6998 6350 20991	6.997	645 648 1293	2025.4		4959 4303 3650 12912	4.304	656 653 1309	2027.0	
17	8179 7530 6882 22591	7.530	649 648 1297	2455.1		5860 5212 4564 15636	5.212	648 648 1296	2456.6	
18	8027 7376 6724 22127	7.376	651 652 1303	2285.4		5372 4724 4077 14173	4.724	648 647 1295	2286.1	
19	7363 6817 6269 20449	6.816	545 548 1093	2394.8		4532 3984 3435 11951	3.984	548 549 1097	2395.8	
		117.977					92.[illegible]15			

F.B./202 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. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:15-10:20 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-21 To B. [illegible]
Date JULY 16, 1951
Indexed K. 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
20	6439	117.977 ✓	540	2394.7		5099	[illegible] ✓	549	23958 ✓	B.M. 1-23
	5899		540	8		4550		547		SEE F.B. 12[illegible]
	5359		1080 ✓			4001		1098 ✓		FOR DESCRIPTION
	17697 ✓	5.899 ✓		2502.8 ✓	[illegible]	13650 ✓	4550 ✓		25056 ✓	
										SUMMATION OF BM 1-21 TO BM 1-23
										TOTAL BACKSIGHTS [illegible] ✓
										" FORESIGHTS 96.76 ✓
										DIFF IN ELEVATION 27.11 ✓
		[illegible] ✓					96.765 ✓			

F.B. 12[illegible] PG. 227

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. 1202 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:30 AM 2:30 PM Rod No. 7 E.S.

Name L.A. Co. Public Works
Job No. 4925
From [illegible] To [illegible]
Date JULY 16, 195[illegible]
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
	5063		550		#7	6398		545		
	4513		549			5858		541		[illegible]
	3964		1099 ✓			5317		1086 ✓		S.I. F.B. [illegible]
	13540 ✓	4513 ✓		1099 ✓	84°	17573 ✓	5858 ✓		1086 ✓	FOR [illegible]
2	4607		542			7438		548		
	[illegible]		541			6890		550		A H.F. NAUMANN
	[illegible]		1093 ✓			6340		1098 ✓		
	12177 ✓	4059 ✓		2195 ✓		[illegible] ✓	6889 ✓		2179 ✓	
3	[illegible]		6[illegible]			8[illegible]2		649		
	[illegible]		6[illegible]			7455		656		
	[illegible]		1303 ✓			6799		1299 ✓		
	[illegible] ✓	[illegible] ✓		3498 ✓		[illegible] ✓	7433 ✓		3478 ✓	
4	5958		654			[illegible]		[illegible]		
	5304		652			[illegible]		643		
	4652		1306 ✓			6479		[illegible] ✓		
	15914 ✓	5305 ✓		4804 ✓		[illegible] ✓	7683 ✓		4766 ✓	
5	[illegible]		653			7203		647		
	4463		656			7156		649		
	3807		1309 ✓			6507		1296 ✓		
	13[illegible] ✓	4462 ✓		6113 ✓		[illegible] ✓	[illegible] ✓		6062 ✓	
		23[illegible] ✓					34958 ✓			

F.B. [illegible] PG. 227

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 8:30-5:30 PM Rod No. 7 & 8

Name L. A. Co. Precise Level Net
Job No. 4925
From BM 1-23 To BM 1-21
Date July 16, 1951
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
6.	6309 5661 5012 16982	23120 ✓ 5.661 ✓	648 649 1297 ✓	6[illegible] ✓ 7410 ✓		6442 5792 5140 17374	34958 ✓ 5[illegible]91 ✓	650 652 1302 ✓	6002 ✓ 7364 ✓	
7.	7[illegible] 6401 5751 19201	6400 ✓	648 650 1298 ✓	8798 ✓		6798 6147 5496 18441	6[illegible] ✓	651 651 1302 ✓	8666 ✓	
8.	5062 4400 3738 13200	4400 ✓	662 662 1324 ✓	10032 ✓		6861 6216 5567 18644	6[illegible]5 ✓	645 649 1294 ✓	996.0 ✓	
9.	4174 3540 2903 10617	3539 ✓	634 637 1271 ✓	11303 ✓		7401 6709 6058 20188	6[illegible] ✓	672 671 1343 ✓	11303 ✓	
										US-562 (US BM 21 P.6) Top of cone no edge of chiseled square hole .009 deep. Ref. 1202-36

43120 ✓ 59[illegible]40 ✓

F.B./202 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 [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:30-3:30 PM Rod No. [illegible]

Name [illegible]
Job No. 4923
From [illegible] To [illegible]
Date JULY 16, 1951
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.	[illegible] 3786 3400 11358	43.120 3786	336 336 672	11303 11975		9974 9630 1487 28891	59.840 7.680	344 343 687	11303 [illegible]190	
11.	[illegible] 2038 1534 6112	2037	504 504 1006	1298.1	91°	8167 7059 7150 22976	7.659	509 509 [illegible]7	1300.7	[illegible] FOR [illegible]
12.	4228 3553 2778 10659	3553	675 675 1350	14331	92°	7606 [illegible] 6300 20860	6.953	652 654 1306	14313	
13.	1934 [illegible] 0660 3872	1297	636 638 [illegible]74	15605		5278 4508 3739 13525	4.508	770 769 1539	15852	
14.	7808 6976 6141 20925	6.975 60.768	832 835 1667	17272		8273 7540 6796 22619	7540 96.30	743 744 1487	17339	

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 [illegible] Weather CLEAR Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. 4923
From [illegible] To [illegible]
Date JULY 16, 1951
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
15	10067 9431 8798 28296	60.768 [illegible]432	636 633 1269	1727.2 18541		4805 4153 3501 [illegible]	[illegible]130 4153	652 652 1304	1733.9 18643	
16	5086 4336 3583 13005	4.335	750 753 1503	20044		5656 4976 4297 14929	4976	680 679 1359	20002	
17	7178 6604 6032 19814	6605	574 572 1146	21190		7073 6447 5820 19339	6[illegible]146	625 627 1252	2125.4	
18	7292 6612 5932 19836	6612	680 680 1360	22550		5884 5227 4569 15687	5[illegible]9	660 660 1320	22574	
19	6677 6026 5373 18076	6025	651 653 1304	23854		4751 4117 3483 12351	4117	634 634 1268	23842	
		93.777					121[illegible]51			

F.B. 1202 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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [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
20	7529	93.777 ✓	652	2385.4 ✓		7401	[illegible] ✓	683	2384.2 ✓	BM [illegible] (EL MONTE [illegible])
	6876		656			6718		681		SEE [illegible]
	6220		1009 ✓			6037		364 ✓		FOR [illegible]
	20625	[illegible] ✓		25163	92°	20156 ✓	[illegible] ✓		25206 ✓	
										SUMMATION OF [illegible] BM [illegible] TO [illegible]
										TOTAL BACKSIGHTS [illegible] 100.65 ✓
										FORESIGHTS [illegible] 127.770 ✓
										DIFF IN ELEVATION [illegible] ✓
		100.652 ✓					127.770 ✓			

F.B. [illegible] PG. 133

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. Nauman ..... 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. 1202 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 2:00-3:00 PM Rod No. 7 E 8

Name L.A. Co. PRECISE LE[illegible]
Job No. 4923
From B.M. U.S. 562 To B[illegible]
Date 7-23-51
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
1	3489 3140 2790 9419	3.140	349 350 699	699	#17 82°	9311 8991 8670 26972	8991	320 321 641	641	U.S. 562 (U.S. B[illegible]) TOP OF CURB NO. EDGE OF CHISELED SQUARE HOLE .009 DE[illegible] REF. F.B. 1[illegible]
2	2483 1981 1479 5943	1.981	502 502 1004	703		8109 7599 7089 22797	7.599	510 510 1020	1661	
3	4[illegible] 3551 2878 10652	3.551	672 673 1345	3048		7532 6881 6228 20641	6.880	651 653 1304	3865	
4	1948 1291 0636 3875	1.292	657 655 1312	4360		5302 4551 3800 13653	4.551	751 751 1002	4467	
5	7384 6608 5830 19822	6.607	776 778 1554	5914		8000 7201 6402 21603	7201	799 799 1598	6065	
		16.571					[illegible]			

F.B. 1[illegible] PG. 235

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 2:00-3:00 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From U.S. 562 To BM 1-26
Date 7-23-51
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
6	10102 9470 8838 28410	16.571 9.470	632 632 1264	5914 7178		4831 4180 3529 12540	35.022 4.180	651 651 1302	606.5 7367	
7	4907 4211 3515 12633	4.211	696 696 1392	8570		5494 4891 4288 14673	4.891	603 603 1206	8573	
8	7262 6651 6040 19953	6.651	611 611 1222	9792		7079 6451 5826 19356	6.452	628 625 1253	9826	
9	7311 6631 5951 19893	6.631	680 680 1360	11152		5911 5251 4590 15752	5.251	660 661 1321	11147	
10	6663 6019 5373 18055	6.018	644 646 1290	12442		4751 4111 3470 12332	4.111	640 641 1281	12428	
		49.552					60.107			

F.B. 1202 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 S. SHINODA Time [illegible] Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 492[illegible]
From U.S. 562 To [illegible]
Date 7-23-[illegible]
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
11.	7467	49.552	656	1244.2		7333	60.107	682	1242.8	[illegible] (EL [illegible]
	6811		655			6651		683		SEE F.B. [illegible]
	6156		1311			5968		1365		FOR DESCRIPTION
	20434	6.811		1375.3	86°	19952	6.651		1379.3	
										SUMMATION OF [illegible] U.S. 562 (U.S. [illegible] 218.6) TO [illegible] (EL [illegible] E-9)
										TOTAL BACKSIGHTS -56.363
										" FORESIGHTS 66.758
										DIFF. IN ELEVATION -10.395
		56.363					66.758			

F.B. [illegible] PG. 237

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. 4005 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 HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:35-11:50 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-21 To B [illegible]
Date 7-24-51
Indexed [illegible] C. Jo[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	7331 6650 5[illegible] 19950	6.650	681 681 1362	136.2	#7 72	7466 6809 6154 20429	6.8[illegible]	657 655 1312	131.2	BM 1-21 (El. [illegible]) See F.B. 12 2-26 For [illegible]
2	3950 3288 2627 [illegible]	[illegible]	662 661 1323	268.5		5858 5[illegible] 4544 15604	5201	656 658 1314	2626	
3	[illegible] [illegible] 4512 15688	5229	648 647 1295	3[illegible]80		7302 [illegible] [illegible] 19834	6.611	690 692 1382	4008	
4	7046 6423 5801 19270	6.423	623 622 1245	5225		7234 6622 6009 19865	6.622	612 613 1225	5233	
5	5520 4875 4231 14626	4.875	645 644 1289	651.4		4847 4194 3542 12583	4.194	653 652 1305	653.8	
		26.465					29.438			

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. Shimoda Time 12:55 - 1:55 PM Rod No. 788

Name LA Co. Precise Level Net
Job No. 4923
From BM 1-21 To BM ~~4.5362~~
Date 7-24-51
Indexed K. 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	5010 26.465		653	653.4		10587 48		630	653.8	
	4357		656			9957		632		
	3701		1309			9325		1262		
	13068	4356		7853		28869	9556		7800	
7	7985		796			7381		781		
	7189		797			6600		781		
	6392		1593			5819		1562		
	21566	7189		9416		19800	6600		13552	
8	5307		753			2010		658		
	4554		752			1352		661		
	3801		1505			691		1319		
	13662	4554		10922		4054	1351		10670	
9	7501		609			4218		719		
	6892		608			3499		718		
	6284		1217			2781		1437		
	20677	6892		12139		10498	3499		12187	
10	8077		501			2478		511		
	7576		501			1967		512		
	7075		1002			1455		1023		
	22758	7586		13141		5900	1967		13120	
		57042					52511			

F.B. 202 PG. 240

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 10:55-17:50AM Rod No. 7&8

Name L.A.C. Precise Lev. - Net
Job No. 4923
From BM 1-21 To B ~~45562~~
Date 7-24-51
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
11.	9548	57.044	328	1314.1 ✓		3713	52.511 ✓	342	1313.0 4	U.S. 562 (U.S. BM 2 [illegible])
	9220		328			3371		342		TOP OF CURB NO [illegible]
	8892		656 ✓			3029		684 ✓		SQUARE HOLE 0.007 DEEP
	27660 ✓	9.220 ✓		1379.7 ✓	78°	10113 ✓	3.371 ✓		1382.4	REF F.B. [illegible]-26
										SUMMATION OF [illegible] BM [illegible] TO US [illegible]
										TOTAL BACKSIGHTS + [illegible] ✓
										" FORESIGHTS + 55.882 ✓
										DIFF IN ELEVATION + [illegible] ✓
		66.262 ✓					55.882 ✓			

F.B. 1202 PG. 241

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. 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. [illegible] Weather [illegible] Inst. No. 50010
Notes by S. [illegible] Time 8:15-[illegible] AM Rod No. 7 E 8

Name A. C. Fraser [illegible]
Job No. [illegible]
From 0.25625 To 3 [illegible]
Date 7-25-51
Indexed R. 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	10363	16.559	574	588.4		5003	35.219	609	608.7	
	[illegible]		617			4393		607		
	[illegible]		1351			3786		1216		
	20064	9.688		1225		13121	4.374		780.3	
7	[illegible]		662			5031		631		
	9719		1016			4400		631		
	[illegible]		1339			3769		1262		
	11150	3.710		857.4		13200	4.400		856.5	
8	7471		611			7065		623		
	6860		613			6442		621		
	[illegible]		1254			[illegible]		1244		
	19978	6.659		1798		19379	6.460		980.9	
9	7[illegible]		679			5849		662		
	6[illegible]		675			5287		662		
	5[illegible]		1354			4577		1322		
	19856	6.61[illegible]		1157		15715	5.238		1131	
10	5824		652			3939		663		
	5172		652			3277		663		
	4520		1304			2614		1326		
	15546	5.182		1261		9829	3.276		1245.7	
		58.446					58.987			

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. Sandola Time 8:15-9:15 P.M. Rod No. 7 E 8

Name L.A.C. Precise Level Net
Job No. 4923
From U.S. 562 To BM 1-21
Date 7-25-51
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	3584 3238 2890 9712	3237	346 348 694	694	#7 68°	9405 9085 8764 27254	9085	320 321 641	641	U.S. 562 (U.S. BM 218.6) TOP OF CURB NO. EDGE OF CHISELED SQUARE HOLE .009 DEEP REF. F.B. 1202 36
2	2432 1938 1442 5812	1937	494 496 990	1684		8071 7553 7038 22662	7554	518 515 1033	1674	
3	4244 3570 2877 10711	3570	674 673 1347	3031		7550 6900 6251 20700	6902	650 651 1301	2975	
4	1950 1293 0639 3882	1294	657 634 1311	4342		5307 4558 3807 13674	4558	751 751 1502	4477	SPIKE IN PILING
5	7302 6531 5760 19593	6531	771 771 1542	5884		7900 7120 6315 21360	7120	805 805 1610	6087	
		16,560					13,5[illegible]			

F.B. 1202 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 8:15-9:15 A.M. Rod No. 7 & 8

Name L.A.C. PRECISE [illegible]
Job No. 4923
From B.S. 5623 To B. [illegible]
Date 7-25-56 E.C. Johnson
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
	7460	48.430 ✓	656	1246.1 ✓		7329	57.[illegible] ✓	681	1245.7 ✓	
11.	6804		655			6647		683		BM [illegible] (EL [illegible])
	6149		1311 ✓			5965		1364 ✓		SEE F.B. [illegible]
	20413 ✓	6.804 ✓		13772	70°	19942 ✓	6.647 ✓		13821	FOR DESCRIPTION
										SUMMATION OF [illegible] US 562 TO BM [illegible]
										TOTAL BACKSIGHTS = 55.24[illegible] ✓
										" FORESIGHTS = 65.63[illegible] ✓
										DIFF. IN ELEVATION = 10.3[illegible] ✓
		55.240 ✓					65.634 ✓			

F.B. [illegible] PG. 245

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. 102 PG. 34										

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 9:40-11:00AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-21 To B.S. 562
Date 7-25-51
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.	7320 6639 5959 19918	6.639	681 680 1361	136.1	#7 72°	7449 6796 6141 20386	6.795	653 655 1308	130.8	BM 1-21 (EL MONTE [illegible]) SEE FB 1[illegible] FOR DESCRIPTION
2.	3829 3189 2550 9568	3.189	640 639 1279	2640		5779 5094 4410 15283	5094	685 684 1369	2677	
3	5907 5245 4583 15735	5.245	662 662 1324	3964		7301 6623 5945 19869	6623	678 678 1356	4033	
4	6999 6374 5751 19124	6.375	625 623 1248	5212		7186 6573 5962 19721	6574	613 611 1224	5257	
5.	5021 4395 3769 13185	4395 25.843	626 626 1252	6464		4385 3712 3039 11136	3.712 28.798	673 673 1346	660.3	

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 9:40-11:00 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-21 To BS 5623
Date 7-25-51
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
6	5100	25.843	661	646.4		10361	28.798	625	660.3	
	4439		661			9736		625		
	3778		1322			9111		1250		
	13317	4439		7786		29208	9736		7853	
7	8127		747			7620		829		
	7380		747			6791		830		
	6633		1494			5961		1659		
	22140	7.380		9280		20372	6791		9512	
8	5222		750			1867		658		
	4472		750			1209		658		
	3722		1500			0551		1316		
	13416	4472		10780		3627	1209		10828	
9	7455		646			4159		680		
	6809		648			3479		679		
	6161		1294			2800		1359		
	20425	6.808		12074		10438	3479		12187	
10	8209		529			2549		485		
	7680		529			2064		484		
	7151		1058			1580		969		
	23040	7.680		13132		6193	2064		13156	
		56.622					52.077			

F.B. 1202 PG. 248

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 9:40-11:00AM Rod No. 7 & 3

Name L.A.Co. [illegible]
Job No. 4923
From BM 1-21 To U.S. 562
Date 7-25-51
Indexed K. 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
11.	9592	56.62	329	1313.2		3758	52.077	342	1315.6	U.S. 562 (U.S. BM 218.6)
	9263		330			3416		342		TOP OF CURB NO EDGE OF
	8933		659			3074		6.84		CHISELED SQUARE HOLE 009 DEEP
	27788	9263		1379.1	78°	10249	3416		1384.0	REF. F.B. 1202-36
										SUMMATION OF [illegible] BM 1-21 TO U.S. [illegible]
										TOTAL BACKSIGHTS 65.885
										" FORESIGHTS 55.493
										DIFF IN ELEVATION 10.392
		65.885					55.493			

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. 292 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. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:15 - 4:00 PM Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4923
From BM 1-23 To BM [illegible]
Date JULY 16, [illegible]
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	11048 10388 9728 31164	10388	600 600 1320	1320	#7	1372 0838 0303 2513	0.838	534 535 1069	106.9	B.M. 1-23 See F.B. [illegible] 27 For [illegible]
2	[illegible] 10705 10[illegible] [illegible]	10.705	416 416 832	2152		[illegible] 1924 1530 5772	1.924	394 394 788	185.7	⊼ GEO DREIER
3	[illegible] [illegible] [illegible] 20387	10.129	[illegible] 3[illegible] [illegible]	2946		[illegible] 1870 1412 [illegible]610	1870	[illegible] 458 916	277.3	
4	11758 11152 10545 33455	[illegible]	606 607 1213	4159		2036 1432 0829 4297	1.432	604 603 1207	398.0	
5	10644 10121 9548 30363	10.121	573 573 1146	530.5		3799 3169 2541 9509	3.170	630 628 1258	523.8	
		52495					9.234			

F.B. [illegible] PG. 251

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. Hermann Weather Clear Inst. No. 5000
Notes by S. Shinoda Time 3:15 - 4:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 1-23 To BM 1-24
Date July 16, 1951
Indexed K. 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	8372	52.495	637	5305		3319.784		661	5238	
	7735		638			2640		662		
	7097		1275			1978		1323		
	23204	7735		6580		7919	2640		6561	
7	10420		470			1123		440		
	9950		470			0683		441		TURN IN DD #W18 75Y
	9480		440			0242		281		
	29850	9950		7520	72°	2048	683		7440	STOPPED 4:00 PM 7-16-51
8	11069					[illegible]		594		
	10500		569			1454		570		
	9931		569			0884		1164		
	31500	10500		7592	70°	4252	1417		5592	BEGIN 8:00 AM 7-17-51
F.B. 202 PG. 252	8550		640			[illegible]		640		
	7910		640			3153		641		
	7264		1279			2505		1281		
	23730	7910		7950		[illegible]	[illegible]		9829	
	6659		653			6468		669		
	6006		655			5799		670		
	5351		1308			5129		1339		
	18016	6005		11238		17396	5799		11228	

94.595

[illegible] 126

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 8:00 - 10:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From BM 1-23 To [illegible] -24
Date JULY 17, 1951
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
11	6711 6060 5411 18184	94.595 6061	649 651 1300	112.58 1255.8		5902 3259 2602 9756	22.[illegible] 3.252	650 650 1300	1122.8 1252.8	
12	8444 7169 7200 23602	7.867	576 5[illegible] 1154	1371.2		3964 3350 2736 10050	3.350	614 614 1228	1375.6	
										El Monte [illegible] Ref. F.B. 524 [illegible] 7,024
13	5047 4553 3900 13659	4.553	655 652 1307	1501.9		10380 9733 9086 29199	[illegible]	647 647 1294	1505.0	
14	2050 1395 0740 [illegible]	1.395	655 655 1310	1632.9		8069 7424 6779 22272	7.424	645 645 1290	1634.0	
		114.471					46.685			

F.B. 1202 PG. 253

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 [illegible] Inst. No. 50010
Notes by S. Shimada Time [illegible] - 10:15 [illegible] Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 1-23 To BM 1-24
Date July
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
15	9829	[illegible]	650	[illegible]		1791	[illegible]	46	1684.0	
	9179		650			1324		62		
	8529		1300			2673		1291		
	27537	9179		17629		5956	[illegible]		17638	
16	10541		623			[illegible]		648		
	9888		654			[illegible]		[illegible]		
	9234		[illegible]			[illegible]		1295		
	29663	9888		18836		8945	2948		18535	
17	7659		651			3434		641		
	[illegible]		662			2793		641		
	[illegible]		1313			5152		1282		
	23992	9908		10251		8379	[illegible]		20155	
F.B. 1202 PG. 254 18	9116		651			[illegible]		655		
	8465		650			2108		656		
	7815		1301			[illegible]		1311		
	[illegible]	8465		[illegible]		[illegible]	[illegible]		21526	
19	[illegible]		6[illegible]			8173		656		
	8865		641			2517		655		
	7719		1287			1859		1311		
	25080	[illegible]		[illegible]		7549	[illegible]		[illegible]	
	158361					[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 8:00-10:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible] NET
Job No. 4923
From BM 1-23 To [illegible] 1-24
Date JULY 17, 1951
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
20	8396 7742 [illegible] [illegible]	158.361	654 654 1308	[illegible]		3351 2705 2060 8116	58.172 2705	646 645 1291	[illegible]	
21	8736 [illegible] [illegible] [illegible]	[illegible]	507 508 1015	25165	88°	[illegible] 6762 6241 20287	6.762	522 [illegible] 1043	25174	BM 1-24 [illegible] SEE F.B. 12[illegible] FOR DESCRIPTION
										SUMMARY [illegible] BM 1-23 TO BM [illegible]
										TOTAL BACKSIGHTS 332 FORESIGHTS [illegible]29 DIFF IN ELEVATION 106.635 3
		174.332					67.639			

F.B. [illegible] PG. 255

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..... 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. 1202 PG. 356										

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. [illegible] Time 10.15-[illegible] Rod No. 7 & 8

Name LA Co. [illegible]
Job No. 4923
From 3M 1-24 To [illegible]
Date JULY 17, 93
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.	7454 [illegible] 6407 20791 ✓	6.930 ✓	524 523 1047 ✓	1047 ✓	#7 88°	8901 8396 7890 [illegible] ✓	[illegible] ✓	505 506 1011 ✓	1011 ✓	3M 1-24 (EL Mont [illegible] See F.B. 1202-28 For [illegible]
2	3386 2739 2091 8216 ✓	2739 ✓	647 648 [illegible] ✓	[illegible] ✓		8437 7781 7127 23345 ✓	7.782 ✓	656 654 310 ✓	2321 ✓	* Gad [illegible]
3.	3178 [illegible] 1882 7589 ✓	[illegible] ✓	[illegible] [illegible] [illegible] ✓	3638 ✓		9022 8371 7721 25114 ✓	8.371 ✓	[illegible] 650 [illegible] ✓	[illegible] ✓	
4	[illegible] [illegible] 1368 6076 ✓	[illegible] ✓	652 652 [illegible] ✓	4952 ✓		[illegible] [illegible] [illegible] 25152 ✓	[illegible] ✓	[illegible] [illegible] [illegible] ✓	4920 ✓	
5.	[illegible] [illegible] [illegible] 8459 ✓	2820 ✓	[illegible] [illegible] [illegible] ✓	6233 ✓		8680 8019 7359 24058 ✓	8019 ✓	661 660 [illegible] ✓	6241 ✓	
		17,044 ✓					40.952 ✓			

F.B. [illegible] PG. 257

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. SHINADA Time 10:15-1:30 Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From SM 1-24 To BM 1-23
Date JULY 17 1951
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
6	3399 2749 2098 8246	17.044 2.749	650 651 1301	603.3 7534		10542 9890 9238 29670	4[illegible] 9.[illegible]10	652 652 1304	604.1 7545	
7	2101 1462 0824 4387	1.462	639 638 1277	888.1		9977 9316 8655 27948	9.316	661 661 1322	8867	
8	7702 7048 6392 21142	7.047	654 656 1310	1012.1		7670 7020 6370 3060	1.[illegible]0	650 650 1300	10167	
9	10465 9817 9166 29448	9.816	648 651 1299	1142.0		5285 4634 3982 13901	4.634	651 652 1303	11470	
										EL MONTE C-8 REF. F.B. 524-217, 224

F.B. 1402 PG. 258

[illegible]

65812

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. 50016
Notes by S. SHINODA Time 1015-1130 Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM 1-24 To [illegible]
Date JULY 17, 1931
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	3759 3330 2701 9990	38[illegible]8 ✓ [illegible] ✓	629 627 [illegible] ✓	[illegible] ✓ 1267.8 ✓		8413 7847 7282 23542	65.812 ✓ 7.847 ✓	566 565 1131 ✓	1147.0 ✓ 1260.1 ✓	
11	3950 3309 2667 [illegible]	[illegible] ✓	641 642 1283 ✓	1396.1 ✓		6784 6125 5465 18374	6.125 ✓	659 660 1319 ✓	1392.0 ✓	
12	6351 5691 5032 [illegible]	[illegible] ✓	660 659 1319 ✓	1528.0 ✓		6563 5900 5237 17700	5.900 ✓	663 663 1326 ✓	1524.6 ✓	
13	[illegible] [illegible] 2532 9528	3.176 ✓	642 645 [illegible] ✓	1656.7 ✓		8525 7933 [illegible] 23787	7.929 ✓	665 [illegible] [illegible] ✓	1655.7 ✓	
14	[illegible] [illegible] 3707 4026	[illegible] ✓ 54.[illegible] ✓	575 575 1150 ✓	1771.7 ✓		[illegible] 10424 9853 31272	10.424 ✓ 104.037 ✓	571 571 1142 ✓	1770.1 ✓	TURN [illegible]

F.B. [illegible] PG. 259

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. [illegible] Weather CLEAR Inst. No. 5[illegible]
Notes by S. SHINODA Time 10:15-1:30 Rod No. 7[illegible]

Name L.A. Co. Precise Leveling Net
Job No. 4923
From BM 1-24 To BM 1-23
Date JULY 17, 1951
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
15	1270	34.766 ✓	441	17717 ✓		10563	10[illegible]37	470	1770.1 ✓	
	0829		442			10093		470		
	0387		883 ✓			9[illegible]		940 ✓		
	2486 ✓	0.829 ✓		18600 ✓		30279 ✓	10[illegible]93 ✓		1864.1 ✓	
16	[illegible]7		658			7594		641		
	1859		657			6953		643		
	1262		1315 ✓			6310		1284 ✓		
	5578 ✓	1.859 ✓		19915 ✓		20857 ✓	6.[illegible] ✓		1992.5 ✓	
17	35[illegible]7		600			10465		595		
	2917		601			9870		595		
	2316		1201 ✓			9275		1190 ✓		
	8750 ✓	2.917 ✓		2111.6 ✓		29610 ✓	9[illegible] ✓		2111.5 ✓	
18	2223		600			11949		609		
	1623		602			11340		611		
	1021		1202 ✓			10729		1220 ✓		1 HOUR OUT FOR LUNCH
	4867 ✓	1.622 ✓		2231.8 ✓	96°	34018 ✓	11339 ✓		2233.5 ✓	
19	2229		459			10423		394		
	1770		460			10029		395		
	1310		919 ✓			9634		789 ✓		
	5309 ✓	1.770		23237 ✓	96°	30086 ✓	10029 ✓		2312.4 ✓	
		63.963 ✓					152.320 ✓			

F.B. 1202 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 HF NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 10:15-11:30 Rod No. 7 & 8

Name L.A. Co. Pr[illegible] Level [illegible]
Job No. 4928
From BM 1-24 To [illegible]
Date JULY 17, 195[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
2[illegible]	2328	63.9[illegible]	396	23237		11127	152.320	[illegible]	2312.4	
	1932		396			10711		414		
	1532		792			10297		730		
	5796	1.932		24009		32135	10.712		2395.4	
21	1832		578			11443		640		SM 1-23
	1259		574			10803		640		SEE F B 1-[illegible]-27
	0685		1147			10163		1280		FOR DESCRIPTION
	3776	1.259		25176	96°	32409	10.803		2523.4	
										SUMMATION OF [illegible] BM 1-24 [illegible]
										TOTAL BACKSIGHT +67.154
										" FORESIGHTS -173.835
										DIFF IN ELEVATION -106.681
		67.154					173.835			

F.B. [illegible] 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..... 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. 1202 PG. 262

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 J. [illegible] Time 1:45 - 4:00 PM Rod No. 7 & 8

Name L. A. [illegible]
Job No. 49[illegible]
From BM [illegible] To [illegible]
Date JULY 17, 1951
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
1.	3246 2648 2003 7947	2.649	648 645 293	129.3	#7 96°	11181 10550 9921 31652	10551	629 629 ~~1259~~ 60	1260	[illegible] (E[illegible]) SEE F B [illegible] FOR DESCRIPTION
2.	1327 0904 0481 2712	0904	423 423 846	213.9		10131 9698 9264 29093	9698	433 434 86.7	2127	
3.	5188 4540 3890 13618	4.539	648 650 1298	3437		4240 3591 2941 10772	3.591	649 650 1299	3426	
4	7358 6703 6047 20108	6703	655 656 1311	4748		7182 6527 5871 19580	6527	655 656 1311	4737	
5	5137 4485 3834 13456	4.485	652 651 1303	6051		6078 5428 4778 16284	5428	650 650 1300	6057	
		19.280					35.795			

F.B. [illegible] PG. 263

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 [illegible] Inst. No. 50010
Notes by S. SHINODA Time 1:15-4:00 PM Rod No. [illegible]

Name [illegible] PRECISE LEVEL NET
Job No. [illegible]
From BM 1-24 To BM 1-25
Date JULY 17, 1951
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
6.	6772 6116 5462 18350	19.280 6.117	656 654 1310	605.1 7361		5367 4659 4012 13978	35.795 4.659	648 647 1295	603.7 7332	
7.	5282 4982 4682 14946	4982	300 300 600	796.1		6604 6292 5979 18875	6292	312 313 625	795.7	
		30.379					46.746			T.P. (EL MONTE B-7A) REF. F.B. 926-165,166
F.B. 1002 PG. 264 8	3040 2387 1734 7161	2387	653 653 1306	9267		12003 11349 10695 34047	11349	654 655 1308	926.5	
9	2859 2494 2129 7482	2494	365 365 730	9997	96°	11464 11148 10832 33444	11148	316 316 632	989.7	STOPPED 4:00 PM 7-17-51 T.P. B.M. WM-549
		35.260					69.243			

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 & CALM Inst. No. 50010
Notes by G.E. DREIER Time 8:10 A.M. 10:30 A.M. Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-24 To B.M. 1-25
Date 7-18-51
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
	4117	3.260	341	999.7		11.837	69.242	321	989.6	
	3776		339			11.516			7	
	3437		680			11.192		643		
10	11330	3.777		1067.7	78°	34547	11.516		1053.0	
	1519		350			10.613		350		
	1169		350			10.263		351		
	0819		700			9912		701		
11	3507	1.169		1137.7		30788	10.263		1124.9	
	2024		321			9513		326		
	1703		321			9187		327		
	1382		642			8860		653		
12	5109	1.703		1201.9		27560	9.187		1189.3	
	1617		339			10.452		411		
	1278		339			10.041		412		
	0939		678			9629		823		
13	3834	1.278		1269.7		30122	10.041		1271.8	
	2731		370			7309		372		
	2361		373			6936		373		
	1988		743			6564		745		
14	7080	2.360		1344.0		20809	6.936		1346.2	
		45.547					117.186			

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 & Co. Inst. No. 50010
Notes by G.E. DREIER Time 8:10 AM [illegible] Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M.1-24 To B.M.1-25
Date 7-18-51
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
	4652	45547	503	1344.0		4.067	[illegible]186	491	1346.2	
	4.149		502			3.576		492		
	3.647		1005			3.084		983		
15	12448	4.149		1444.5		10727	3.576		1444.5	
	9954		495			1676		504		
	9.459		496			1.172		504		
	8963		991			0.668		1008		
16	28376	9.459		1543.6		3516	1.172		1545.3	
	9608		566			2779		575		
	9.042		568			2.204		576		
	8474		1134			1.628		1151		
17	27124	9.041		1657.0		6.611	2.204		1660.4	
	7.127		643			8678		700		
	6.484		643			7.978		699		
	5.841		1286			7279		1399		
18	19452	6.484		1785.6		23935	7.978		1800.3	
										T.P. (EL MONTE B-6) REFERENCE - F.B. 926 - 163,164
		74.680					132.116			

F.B. 1202 PG. 266

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. [illegible] Time 8:10-10:30 AM Rod No. 7 & 8

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date JULY 17, 1957
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
	3.542	74.680 ✓	660	17856 ✓		7713	132.116 ✓	644	18002	
	2.882		663			7.069		647	3	
	2.219		1323 ✓			6422		1291 ✓		
19	8.643 ✓	2.881 ✓		19129 ✓		21.204 ✓	7.068 ✓		19293	
	6208		686			6733		617		
	5522		686			6116		618		
	4836		372 ✓			5498		1235 ✓		
20	16566 ✓	5.522 ✓		20551 ✓		18347 ✓	6.116 ✓		20528	
	5701		652			6327		665		
	5.049		651			5.662		665		
	4398		1303 ✓			4.997		1330 ✓		
21	15.148 ✓	5.049 ✓		21854 ✓		16986 ✓	5.662 ✓		21858	
	5746		652			7296		650		
	5.094		651			6.646		649		
	4.443		1303 ✓			5997		1299 ✓		
22	15283 ✓	5094 ✓		23157 ✓		19939 ✓	6.646 ✓		23157	
	2 876		652			9483		651		
	2.224		651			8.832		651		
	1573		1303 ✓			8181		1302 ✓		
23	6.673 ✓	2224 ✓		24460 ✓		26496 ✓	8.832 ✓		24459	
		95.450 ✓					166.440 ✓			

F.B. [illegible] PG. 267

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. SAINOUR Time 8:10-10:30 Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 1-24 To BM 1-25
Date JULY 18, 1951
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
	3037	95.450 ✓	653	2446.0 ✓		7214	166.440 ✓	643	2445.9 60	
	2,384		653			6571		644		
	1,731		1306 ✓			5927		1287 ✓		
24	7.152 ✓	2.384 ✓		25766 ✓		19712 ✓	6.571 ✓		25747	
	5501		652			6076		649		
	4849		651			5427		649		
	4198		1303 ✓			4778		1298 ✓		
25	14.548 ✓	4.849 ✓		27069 ✓		16281 ✓	5.427 ✓		27045	
	6489		656			6051		645		
	5.833		654			5.406		647		
	5179		1310 ✓			4759		1292 ✓		
26	17.501 ✓	5.834 ✓		28379 ✓		16216 ✓	5.405 ✓		28337	
	5747		644			4.761		654		
	5103		642			4.107		655		
	4461		1286 ✓			3452		1309 ✓		
27	15.31 ✓	5.104 ✓		29665 ✓		12320 ✓	4.107 ✓		29645	
	7.830		647			5647		655		
	7183		649			4992		654		
	6534		1296 ✓			4338		1309 ✓		
28	21.547 ✓	7.182 ✓		30961 ✓		14977 ✓	4.992 ✓		30954	
		120.803 ✓					192.942 ✓			

F.B. 1202 PG. 268

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 & CALM Inst. No. 50010
Notes by G.E. DREIER Time 8:10 AM to 10:30 AM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-24 To BM 1-25
Date 7-18-51
Indexed H. 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
	7.963	120.803 ✓	651	3096.1 ✓		4.491	192.942 ✓	655	3095.4 5	
	7.312		653			3.836		656		
	6.659		1304 ✓			3.180		131.1 ✓		
29	21.934 ✓	7.311 ✓		3226.5		11.507 ✓	3.836 ✓		3226.5 6	
	6.083		759			6.785		763		B.M. 1-25 (ELMONTE F.B.)
	5.324		762			6.022		764		SEE F.B. 1202-29
	4.562		152.1 ✓			5.258		152.7 ✓		FOR DESCRIPTION
30	15.969 ✓	5.323 ✓		3378.6	90°	18.065 ✓	6.022 ✓		3379.2 3	
										SUMMATION OF [illegible] BM 1-24 TO BM 1-25
										TOTAL BACKSIGHTS [illegible] 38.937 ✓
										" FORESIGHTS [illegible] 800 ✓
										DIFF IN ELEVATION = 69.363 ✓
		133.437 ✓					202.800 ✓			

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. 1200 PG. 279										

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 10:30 AM - 3 [illegible] Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-25 To B.M. 1-24
Date 7-18-51
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
	6800		763			6091		759		
	6,037		766			5.332		759		B.M. 1-25 (EL MONTE B-5
	5.271		152.9 ✓			4.573		151.8 ✓		SEE F.B. 1202-29
1	18,108 ✓	6.036 ✓		152.9		15996	5332 ✓		151.8 ✓	FOR DESCRIPTION
	4593		652			8072		655		
	3.941		655			7.417		656		⊼ GEO. DREIER
2	3286		130.7 ✓			6761		131.1 ✓		
	11820 ✓	3.940 ✓		283.6 ✓		22250 ✓	7.417 ✓		282.9 ✓	
	5701		647			7896		655		
	5054		648			7241		654		
3	4406		1295 ✓			6587		1309 ✓		
	15161 ✓	5054 ✓		413.1 ✓		21724 ✓	7.241 ✓		413.8 ✓	
	4778		648			5780		650		
	4130		648			5130		650		
4	3482		1296 ✓			4480		1300 ✓		
	12390 ✓	4130 ✓		542.7 ✓		15390 ✓	5130 ✓		543.8 ✓	
	6066		637			6518		665		
	5429		637			5853		664		
5	4792		1274 ✓			5189		1329 ✓		
	16287 ✓	5429 ✓		670.1 ✓		17560 ✓	5853 ✓		676.7 ✓	
		24.589 ✓					30.973 ✓			

F.B. 1202 PG. 271

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. 53010
Notes by S. SHINOLA Time 10:30-3:00 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-25 To BM 1-24
Date 7-18-51
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
6	6633 5982 5330 17945	24.589 5.982	651 652 1303	670.1 800.4		6060 5407 4753 16220	30.[illegible]73 5.[illegible]	653 654 1307	676.7 [illegible]	
7	7254 6598 5941 19793	6.598	656 657 1313	931.7		3050 2412 1771 7235	2.[illegible]12	640 641 1281	935.5	
8	9541 8881 8219 26641	8.880	660 662 1322	1063.9		2921 2279 1640 6840	2.[illegible]	642 639 1281	1063.6	
9	7325 6672 6019 20030	6.677	649 641 1296	1193.5		5783 5132 4482 15397	5.[illegible]	651 650 1301	1193.7	
10	6261 5597 4934 17793	5.598	663 664 1327	1326.2		5003 4410 4326 14939	4.980	663 654 1307	1324.4	
		58.324					51.[illegible]4			

F.B. 1202 PG. 272

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 10:30-3:00 PM Rod No. 7 & 3

Name L. A. Co. Precise [illegible]
Job No. 4923
From BM 1-25 To B [illegible]
Date 7-18-51
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
11	6[illegible] 5462 [illegible] 16314	58.324 5.461	640 642 1282	1324.4 1454.4	96°	5535 4873 [illegible] 14619	51.184 4.873	662 662 1324	1324.4 1456.8	1 HOUR OUT TO [illegible]
12	6700 6058 26099	6700 70.485	641 642 1283	1572.7	100°	3173 2514 1857 7544	2515 58.572	659 657 1316	1588.4	
										T.P. EL MONTE [illegible] REF. F.S. 92 - 16[illegible] 64
13	8690 8008 7323 24021	8007	682 684 1365	1719.8		7177 6515 5854 19545	6515	662 662 1324	1720.8	
14	3096 2514 1932 7542	2514 81.00	582 582 1164	1835.8		9935 9355 8780 28065	9355 74.442	575 575 1150	1835.8	

F.B. [illegible] PG. 273

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 [illegible] NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:30-3:00 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-25 To BM 1-24
Date 7-18-51
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
15	1725 1220 0715 3660	81006 1220	505 505 1010	18357 8 19368		10002 9508 9011 28521	7[illegible]42 9[illegible]07	494 497 991	18358 19349	
16	4016 3514 3013 10543	3514	502 501 1003	20371		4580 4090 3600 12270	4[illegible]2	490 490 980	20329	
17	7250 6[illegible] 6[illegible] 20625	6875	376 373 749	21120		2669 22[illegible] [illegible] 6897	2[illegible]9	370 370 740	21069	
18	10210 9831 9452 29493	9831	379 379 758	21878		1440 1069 [illegible] 3228	[illegible]69	371 370 741	21810	
19	[illegible] 9167 8831 27500	9167	327 328 655	22533		2603 1684 1365 5052	[illegible]4	319 319 638	22448	
		111.613					[illegible]			

F.B. 1202 PG. 274

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 S. SHIMODA Time 10:30-3:00 PM Rod No. 7 & 8

Name L.A.C. [illegible]
Job No. [illegible]
From BM 1-25 To [illegible]
Date 7-18-51
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
20	10583 10248 9950	[illegible]	335 347 693	[illegible] 3		15098 11558 8821	13091	3540 3537 7077	25448	
	30781	10259		[illegible] 6		34637	11554		21155	
21	11833 11519 11205		314 314 628			4176 5833 [illegible]		343 342 685		TP ON WM [illegible]
	[illegible]	11557		[illegible] 4		[illegible]	[illegible]		[illegible]	
22	11800 [illegible] 11172		[illegible] [illegible] [illegible]			3218 2843 2468		375 375 750		
	[illegible]	[illegible]		[illegible] 5		[illegible]	[illegible]		[illegible]	
23	[illegible] 11119 [illegible]		607 668 1275			2799 2161 1521		638 640 1278		
	[illegible]	[illegible]		[illegible] 10		6481	2160		2868	
										TP ELEV [illegible] 7.4 REF FB [illegible] 160
		156048					103081			

F.B. 1-03 PG. 275

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 10:30-3:00 PM Rod No. 7&8

Name L. A. Co. Exercise Level Net
Job No. 4923
From BM 1-25 To BM 1-24
Date 7-18-51
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
24	6584 6266 5947 18797	150042 6266	318 319 637	25809 10 26447		5244 4958 4667 14874	10[illegible] 4958	291 291 582	25868 26450	
25	5202 4555 3908 13665	4555	647 647 1294	27740 1		6669 6015 5362 18046	6015	654 653 1307	27757	
26	6067 5418 4769 16254	5418	649 649 1298	29039 9		5130 4478 3824 13432	4477	652 654 1306	29063	
27	7184 6328 5870 19582	6527	656 658 1314	30353 3		7359 6707 6052 20118	6706	652 655 1307	30370	
28	4390 3687 3032 11059	3686	653 655 1308	31660 1		5282 4637 3991 13910	4637	645 646 1291	31661	

182.500 129.874

F.B. 1202 PG. 276

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. NAUMAN Weather CLEAR Inst. No. 50010
Notes by S. SHINOBA Time 10:30-3:00 Rod No. 788

Name L.A.C. [illegible]
Job No. [illegible]
From BM 1-25 To [illegible]
Date 7-18-51
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
29	[illegible]	182.500 ✓	448	31[illegible]		1500	129.774 ✓	421	[illegible] ✓	
	9872		446			1079		421		
	9[illegible]		894 ✓			0628		842 ✓		
	29818	9873 ✓		32554		3237 ✓	[illegible] ✓		32503 ✓	
30	11310		660			3369		[illegible]		[illegible]
	10650		658			2748		623		
	[illegible]		1318 ✓			2125		[illegible] ✓		
	31952 ✓	10651 ✓		33872	90°	7242 ✓	[illegible] ✓		33747 ✓	
										[illegible] BM 1-25 [illegible]
										TOTAL BACKSIGHTS 203024 ✓
										" FORESIGHTS 133.700 ✓
										DIFF IN ELEVATION -67.324 ✓
		203024 ✓					133.700 ✓			

F.B. [illegible] PG. 277

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. 1232 PG. 27 P										

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 8:15-11:15 A.M. Rod No. 7 & 8

Name L.A.C. [illegible]
Job No. 4923
From BM 1-25 To [illegible]
Date 7-20-51
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] 5987 5224 17959	5.986	761 763 1524	152.4	#7 84°	[illegible] 5286 4524 15857	5.286	[illegible] 762 1523	152.3	BM 1-25 ([illegible]) SEE F.B. [illegible] FOR DESCRIPTION
2	4512 3859 3[illegible] 11574	3.858	683 656 1309	283.3		7988 7332 6678 21998	7.333	656 654 1310	283.3	⊼ H.F. NAUMANN
3	5713 5062 4411 15186	5062	651 651 1302	413.5		[illegible] 7252 6600 21755	7.252	651 652 1303	413.6	
4	4708 4066 3420 12194	4065	642 646 1288	542.3		5713 5062 4408 15183	5061	651 654 1305	544.1	
5	5918 5271 4624 15813	5271	647 647 1294	671.7		6353 5698 5042 17093	5.698	655 656 [illegible]	675.2	
		24.242					30.630			

F.B. 1202 PG. 277

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 8:15-11:15 Rod No. 7 & 8

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-25 To BM 1-24
Date 7-20-51
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
6.	6066 5417 4768 16251	24.242 5.417	640 649 1219	67[illegible]7 801.5		5[illegible] 4139 4184 14515	3[illegible] 4.838	653 655 1308	675.0 806.0	
7.	7168 6526 5883 19577	6.526	642 643 1285	930.0		2194 2339 4684 7017	2[illegible]	655 655 1310	937.0	
8.	9525 8863 8200 26588	8.863	662 663 1325	1062.5		2896 2257 1615 6768	2[illegible]56	639 642 1281	1065.1	
9.	7303 6655 6007 19965	6.655	648 648 1296	1193.1		5758 5104 4452 15314	5[illegible]05	654 655 1306	1195.7	
10.	6244 5577 4908 16729	5.576	667 669 1336	1325.7		5613 4903 4317 14893	4.964	650 646 1296	1325.3	
		57.279					50.132			

F.B. 1202 PG. 280

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 8:15-11:15 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 49-3
From BM 1-25 To B 4
Date 7-20-51
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
11	6590 5943 5698 17831	57.279 5.944	647 645 1292	1325.7 14549		6014 5354 4692 16060	50.132 5.353	660 662 1322	1325.3 14575	
12	8048 7344 6799 22196	7.399	649 650 1299	15848		3873 3212 2549 9634	3.211	661 663 1324	1589.9	
		70.622					58.616			[illegible]
13	8717 8031 7344 24093	8.036	686 687 1373	17224		7199 6541 5882 19622	6.541	658 659 1317	17216	
14	2969 2387 1805 7161	2.387	582 582 1164	18386		9799 9228 8659 27686	9.229	571 569 1140	1835.6	
		81.040					74.466			

F.B. [illegible] PG. 281

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. Sanborn Time 8:15 - 11:15 Rod No. 328

Name Lo Angeles Level Net
Job No. 4923
From BM 1-23 To BM 1-24
Date 7-21-51
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
15	1672	81.040 ✓	505	1831.5 6		9517	72.162 ✓	495	1835.6 ✓	
	1168		504			9022		496		
	0664		1009 ✓			8160		991 ✓		
	3505 ✓	1.168 ✓		1934.5 ✓		28691 ✓	9.556 ✓		1934.7 ✓	
16.	4171		494			4708		537		
	3677		496			4231		538		
	3201		970 ✓			3716		1015 ✓		
	11059 ✓	3.686 ✓		2036.5 ✓		12655 ✓	4.221 ✓		2036.2 ✓	
17	7232		373			2651		371		
	6859		373			2280		371		
	6486		746 ✓			1909		742 ✓		
	20577 ✓	6.859 ✓		2111.1		6840 ✓	2.280 ✓		2110.4 ✓	
18	9985		378			1416		373		
	9607		380			0843		373		
	9227		758 ✓			0470		746 ✓		
	28719 ✓	9.606 ✓		2186.9 ✓		2527 ✓	0.842 ✓		2185.0 ✓	
19	9544		330			3050		317		
	9214		329			1733		319		
	8885		659 ✓			1414		636 ✓		
	27643 ✓	9.214 ✓		2252.8 ✓		5197 ✓	1.732 ✓		2248.6 ✓	
	111.573 ✓					93.018 ✓				

F.B. 1202 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. E. Humphrey Weather [illegible] Inst. No. 500 [illegible]
Notes by S. Shinoda Time 8:45 - 11:15 AM Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From BM [illegible] To [illegible]
Date 7-21-51
Indexed R. 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
20	10422	11.523 ✓	340	2250		13553	10.028 ✓	359	2486 ✓	
	10026		340			09994		361		
	9746		680			09633		720 ✓		
	30214	10.076		2320 ✓		2780 ✓	09993 ✓		2806 ✓	
21	[illegible]		523			4216		336		T.P. [illegible]
	[illegible]		324			4880		307		
	[illegible]		[illegible]			3543		672 ✓		
	34850	11.617		2325		3332 ✓	2.750 ✓		2877 ✓	
22	11799		295			[illegible]		375		
	11488		[illegible]			[illegible]		375		
	11182		6[illegible]			2462		750 ✓		
	34463	11.488		2446		8505 ✓	2.835 ✓		2629 ✓	
23	11825		689			2856		618		
	11196		691			2238		619		
	10505		1380			1619		1237 ✓		STOPPED 11:30 AM
	33586	11.195		2584	90°	6713 ✓	2.238 ✓		2586 ✓	
										T.P. EL MONTE B.
										REF F.B. 926
		155959 ✓					102984 ✓			

F.B. 1200 PG. 2 & 3

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 3:30-4:00 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 49[illegible]
From BM 1-25 To BM 1-24
Date 7-20-51
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
24	6612 6299 5987 18898	155959 6299	313 312 625	2584.6 2647.1	98°	5290 4990 4690 14970	108984 4990	300 300 600	2586.6 2646.6	BEGAN 3:30 PM
25	5215 4566 3918 13699	4566	649 648 1297	2776.8		6678 6025 5369 18072	6024	653 656 1309	2777.5	
26	6124 5476 4827 16427	5476	648 649 1297	2906.5		5181 4528 3877 13586	4529	653 651 1304	2907.9	
27	6964 6311 5658 18933	6311	653 653 1306	3037.1		7141 6486 5830 19457	6486	655 656 1311	3039.0	
28	4165 3494 2825 10481	3494	671 672 1343	3171.4		5070 4445 3818 13333	4444	625 627 1252	3164.2	
		182105					129457			

F.B. 1202 PG. 284

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 [illegible] Weather CLEAR Inst. No. [illegible]
Notes by S. [illegible] Time 3:30 - 4:00 PM Rod No. [illegible]

Name L.A. Co. [illegible]
Job No. 4923
From BM 1-25 To [illegible]
Date [illegible]
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
29	10602	182.105 ✓	450	317.18		1791	129.457 ✓	450	316.462 ✓	
	10152		450			1361		419		
	9702		900 ✓			942		839 ✓		
	30456 ✓	10152 ✓		326.18		4084 ✓	1361 ✓		324.21 ✓	
30	11364		615			3509		663		B.M. 1-24 (Elev. [illegible])
	10749		612			2846		663		SEE F.B. 1204 [illegible]
	10137		1227 ✓			2183		1326 ✓		FOR DESC[illegible]
	32330 ✓	10750 ✓		338.40	96°	8538 ✓	1.874 ✓		338.07 ✓	
										SUMMATION OF [illegible] BM 1-25 TO [illegible] 1-24
										TOTAL BACKSIGHTS = 203.007 ✓
										" FORESIGHTS = 133.664 ✓
										DIFF. IN ELEVATION = 69.343 ✓
		203.007 ✓					133.664 ✓			

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 L.A.C. Home Level Net
Job No. 4925
From ..... To .....
Date 7-20-51
Indexed A. C. Johnson

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. 2005 PG. 276										

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. Navarrete Weather CLEAR Inst. No. 50010
Notes by S. Sanchez Time 11:40-1:40 PM Rod No. 2 & 0

Name L.A. Co. Proj. [illegible]
Job No. 4725
From E.M.B.R.A. To E.M.B-6
Date 7-23-56
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
1	3054 2402 1752		650 650 1300 ✓		#7	11916 11262 10610		654 656 1310 ✓		2 Mon-4 B.[illegible] Ref F.B. 926-1 [illegible]
	7206 ✓	2.402 ✓		130.0 ✓	78°	32814 ✓	11.271 ✓		131.0 ✓	
2	3187 2807 2428		380 379 759 ✓			11856 11554 11252		302 302 604 ✓		1 HOUR OUT TO LUNCH
	8422 ✓	2.807 ✓		205.9 ✓		34662 ✓	11.554 ✓		191.4 ✓	
3	4054 3502 3502		532 3[illegible] 666 ✓			11967 11639 11311		328 328 656 ✓		
	11704 ✓	2.901 ✓		272.5 ✓	82°	34917 ✓	11.639 ✓		257.0 ✓	
4	1197 0847 0497		350 350 700 ✓			10288 9940 9589		348 351 699 ✓		
	2541 ✓	0.847 ✓		342.5 ✓		29817 ✓	9.939 ✓		326.9 ✓	
5	2221 1923 1626		298 297 595 ✓			9753 9405 9053		348 352 700 ✓		
	5770 ✓	1.923 ✓		402.9 ✓		28211 ✓	9.404 ✓		396.9 ✓	
		11.280 ✓					53.807 ✓			

F.B. [illegible] PG. 287

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 11:40-1:40 P.M. Rod No. 7-8

Name L.A. Co. Precise Level Net
Job No. 4923
From EMB7A-4 To EMB-6
Date 7-28-51
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	1549	11.880	367	402.0		10331	5[illegible].57	365	346.9	
	1182		364			9946		388		
	0818		731			9558		773		
	3549	11.183		475.1		9135	9.45		474.2	
7	2697		373			7272		370		
	2324		372			6902		372		
	1952		745			6530		742		
	6973	2.324		549.6		20704	6.90		548.4	
8	4629		495			4057		498		
	4134		496			3559		496		
	3638		991			3063		994		
	12401	4.134		648.7		10679	3.560		647.8	
9	9986		504			1689		495		
	9482		502			1194		497		
	8980		1006			0697		992		
	28448	9.483		749.3		3580	1.193		747.0	
10	9973		575			3146		583		
	9398		576			2563		584		
	8822		1151			1979		1167		
	28193	9.398		864.4		7688	2.563		863.7	
		38.402					77.069			

F.B. 1222 PG. 288

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 11:40-1:40 Rod No. 7 & 8

Name L. A. Co PRECISE [illegible]
Job No. 4923
From EM B-7A To E.M. B-6
Date 7-23-51
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
11	8358	38.402 ✓	660	864.4 ✓		9880	77.969 ✓	693	863.7 ✓	EL MONTE B-6
	7698		660			9187		694		REF. F.B. 926 - 63,164
	7038		1320 ✓			8493		1387 ✓		
	23094 ✓	7.698 ✓		9964	82°	27560 ✓	9187 ✓		10024	
										SUMMATION OF [illegible] EL MONTE B-7A TO EL MONTE B-6
										TOTAL BACKSIGHTS = 46.100 ✓
										" FORESIGHTS = 87.156 ✓
										DIFF IN ELEVATION = 41.056 ✓
		46100 ✓					87.156 ✓			

F.B. [illegible] PG. 289

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. 1555 PG. 290										

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 IN, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
Date [illegible]
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
1	[illegible]	[illegible]	[illegible]	[illegible]	#7	[illegible]	[illegible]	[illegible]	[illegible]	B.M. 1-25 (E.M. [illegible]) See F.B. [illegible] for description
2	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	X Geo. Dreier
3	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
4	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
5	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
		31 633					23.428			

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 [illegible] Inst. No. [illegible]
Notes by S. SHINODA Time 3:15-4:00 [illegible] Rod No. [illegible]

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From [illegible] To [illegible]
Date 7-18-51
Indexed K. 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	7429 6759 6091 20279	31.633 ✓ 6760 ✓	670 668 1338 ✓	651.1 ✓ 7849 ✓	90°	4329 3660 2901 10890	23.428 ✓ [illegible] ✓	669 669 1338 ✓	651.1 ✓ 7849 ✓	STOPPED 4:00 PM 7-18-51
7	7255 6602 5950 19807	6602 ✓	653 652 1305 ✓	9154 ✓	78°	4100 3458 2813 10371	[illegible] ✓	642 645 1287 ✓	913.6 ✓	BEGAN 8:15 AM 7-19-51
8.	8012 7367 6719 22098	7366 ✓	645 648 1293 ✓	10447 ✓		4440 3790 3140 11370	[illegible] ✓	650 650 1300 ✓	[illegible] ✓	
9.	7397 6751 6108 20256	6752 ✓	646 643 1289 ✓	[illegible] ✓		5222 4571 3919 13712	[illegible] ✓	651 652 1303 ✓	1173.9 ✓	
10	6539 6126 5713 18378	6126 ✓	413 413 826 ✓	12562 ✓		5062 4637 4212 13911	[illegible] ✓	425 425 850 ✓	1258.9 ✓	
		65.239 ✓					43.[illegible] ✓			

F.B. 1202 PG. 292

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. SHINOLA Time 8.15-11.15 AM Rod No. 7 & 8

Name LA [illegible]
Job No. 4923
From BM 1-25 To [illegible]
Date 7-19-57
Indexed H. 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
11	6609 6136 5662 18407	65.239 6.136	473 474 947	1256.2 13509		6270 5814 5359 17443	43.543 5.814	456 455 911	1258.9 1350.0	
		71.375					49.357			T.P EL [illegible] 2-4 REF. F.B. 926 - [illegible]
12	7803 7236 6608 21707	7.236	627 628 1255	1476.4		5398 4727 4055 14180	4.727	67[illegible] 672 1343	148.43	
13	7763 7108 6453 21321	7.107	652 655 1307	16071		5642 4991 4340 14973	[illegible]	651 651 1302	16145	
14	9081 8432 7786 25299	8.433	649 646 1295	17366		5191 5540 1881 7619	2.540	651 652 1303	17448	T.P. P.R. # 56500
		94151					61.615			

F.B. 1202 PG. 273

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 8:15-11:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4925
From BM 1-25 To BM 1-26
Date 7-19-51
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
15	4475 3828 3181 11484	94.15 ✓ 3828 ✓	647 647 1294 ✓	1736.6 ✓ 1866.0 ✓		6376 5728 5080 17184	6[illegible]15 ✓ 5[illegible]8 ✓	648 648 1296 ✓	1744.8 ✓ 1874.4 ✓	
16	6798 6145 5489 18432	6144 ✓	653 656 1309 ✓	1996.9 ✓		5861 5213 4565 15639	5[illegible]13 ✓	648 648 1296 ✓	2004.0 ✓	
17	7422 6772 6123 20317	6772 ✓	650 640 [illegible] ✓	2126.8 ✓		5526 4875 4224 14625	4[illegible]5 ✓	651 651 1302 ✓	2134.2 ✓	
18	7504 6829 6153 20486	6829 ✓	675 676 1351 ✓	2261.9 ✓		4705 3999 3290 11994	3[illegible]8 ✓	706 709 1415 ✓	2275.7 ✓	T.P. SAN GABRIEL BLVD + MARSHALL ST L+T. M.C.P. N.E. Cor
19	7020 6365 5710 19095	6365 ✓	655 655 1310 ✓	2392.9 ✓		5001 4348 3695 13044	4348 ✓	653 653 1306 ✓	2406.3 ✓	
		124.089 ✓					85.777 ✓			

F.B. 1202 PG. 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. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:15-11:15 AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM [illegible] To [illegible]
Date 7-19-51
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
20	7333 6673 6013 20019	124.089 6673	660 660 1320	2392.9 2524.9		4741 4108 3474 12323	85.777 4108	633 634 1267	2406.3 2533.0	
21	7473 6831 6187 20491	6830	642 644 1286	2653.5		4789 4130 3472 12391	4130	659 658 1317	2664.7	
[illegible]	7653 7000 6348 21001	7000	653 652 1305	2784.0		4701 4051 3400 12152	4051	650 651 1301	2794.8	
23	7825 7166 6508 21499	7166	657 658 1317	2915.7		5342 4694 4046 14082	4694	648 648 296	2924.4	
24	7736 7079 6422 21237	7079	657 657 1314	3047.1		4532 3878 3222 11632	3877	654 656 1310	3055.4	
		158.837					106.637			

F.B. [illegible] PG. 295

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 8:15 - 11:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-25 To BM 1-26
Date 7-19-51
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
25	6922 6418 5912 19252	158.737 6.417	504 506 1010	30471 3148.1		4810 4313 3815 12938	106.637 [illegible]	497 498 995	3055.4 3154.9	
26	6404 6045 5686 18135	6.045	359 359 718	3219.9	86°	6962 6599 6236 19797	6.[illegible]99	363 363 726	3227.5	BM 1-26 (EL MONTE B-3) SEE F.B. 1202-30 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-25 TO BM 1-26
										TOTAL BACKSIGHTS + 171.299 " FORESIGHTS - 117.549 DIFF. IN ELEVATION + 53.750
		171.299					117.549			

F.B. 1202 PG. 296

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. SHANNON Time 11:15-3:30 PM Rod No. 7E3

Name L.F.C. PROJECT
Job No. 4923
From BM 1-26 To E 25
Date 7-19-51
Indexed 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.	7032 6670< 6308	6670	362 362 724	72.4	77 / 75°	6475 6116 5757	6116	359 359 718	71.8	B.M. 1-26 (E-Mo 8-3) SEE F.B. 1202 30 FOR DESCR. TO W
2.	4849 4348 3846	4348	501 502 1003	172.7		6949 6449 5949	6449	500 500 1000	171.8	TO GEO. PIERCE
3.	4410 3759 3107	3759	651 652 1303	302.0		7621 6961 6302	6961	660 659 1319	303.7	
4.	5403 4750 4097	4750	653 652 1305	433.5		7878 7223 6570	7224	655 653 1308	534.5	
5	4756 4107 3457	4107	649 650 1299	563.4		7717 7062 6407	7062	655 655 1310	565.5	
		23.624					33,812			

F.B. 1202 PG. 297

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 11:15-3:30 PM Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-26 To BM 1-25
Date 9-17-51
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	4714	23.634	652	5634		7409	38.912	650	5655	
	4062		652			6759		650		1 HOUR OUT TO LUNCH
	3410		1304			6109		1300		
	12186	4062		6938	95°	20277	6759		6955	
7	4752		645			7322		648		
	4107		645			6674		647		
	3462		1290			6027		1295		
	12321	4107		8238	95°	20023	6674		8250	
8	4971		651			6990		655		
	4320		651			6335		653		
	3669		1302			5682		1308		
	12960	4320		9590		19007	6336		9558	
9	4611		708			7504		674		
	3990		708			6830		674		
	3282		1416			6156		1348		
	11970	3990		10946		20490	6830		10906	
10	5509		638			7433		661		
	4871		638			6772		662		
	4233		1276			6110		1323		
	14613	4871		12222		20315	6772		12229	
		44984					67183			

F.B. 1202 PG. 298

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 11:15-3:30 PM Rod No. 7 & 8

Name L.A. [illegible]
Job No. 4923
From PM 1-26 To F 5
Date 7-19-51
Indexed 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
11	5789	44.984	650	1222.2		6722	67.183	650	1222.9	
	5139		651			6072		650		
	4488		1301			5422		1300		
	15416	5.139		13523		18216	6072		13529	
12	5914		649			4019		648		
	5265		649			3370		648		T.P. P.P. # 56506
	4616		1298			2722		1296		
	15795	5.265		14821		10110	3370		14825	
13	3360		650			9263		655		
	2710		651			8608		656		
	2059		1301			7952		1311		
	8129	2.710		16122		25823	8608		16136	
14	5662		649			7781		653		
	5013		649			7128		652		
	4364		1298			6476		1305		
	15039	5013		17420		21385	7128		17441	
15	5399		650			7908		648		
	4749		650			7260		649		
	4099		1300			6611		1297		
	14247	4.749		18720		21779	7.260		18738	
		67.860					99.621			

F.B. [illegible] PG. 299

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 1115-330 PM Rod No. 7 & 8

Name L A C [illegible] LEVEL NET
Job No. 4925
From BM 1-26 To BM 1-25
Date 7-19-51
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
		67.860 ✓		1872.0 ✓			99.621 ✓		1873.8 ✓	T.P EL MONTE B-4 REF. F.B 926-159, 160
16	6258 5801 5347 17406 ✓	5802 ✓	457 454 911 ✓	1963.1		6593 6121 5650 18364 ✓	6121 ✓	472 471 943 ✓	1968.1 ✓	
17	5130 4705 4281 14116 ✓	4705 ✓	425 424 849 ✓	2048.0		6609 6197 5784 18590 ✓	6197 ✓	412 413 825 ✓	2050.6 ✓	
18	5242 4588 3933 13763 ✓	4588 ✓	654 655 1309 ✓	2178.9		7411 6768 6124 20303 ✓	6768 ✓	645 644 1287 7	2179.5	
19	4473 3825 3178 11478	3.826 5 86.784 0	648 647 1295 ✓	2308.4		8051 7405 6758 22214 ✓	7405 ✓	646 647 1293 ✓	2308.8 3 6	
							126.112 ✓			

F.B. 1202 PG. 300

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 11.15-3.30PM Rod No. 7 & 8

Name L.A. Co. Precise Level N
Job No. 4923
From BM 1-26 To K 5
Date 7-19-51
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
20	4270 3562 2915 10687	86.784 3562	648 647 1295	2308.4 2437.9		7352 6706 6059 20117	126.112 6706	646 647 1293	2308.4 6 2437.9	
21	4430 3759 3088 11277	3759	671 671 1342	2572.1		7526 6860 6195 20581	6860	666 665 1331	2571.0	
22	4739 4272 3604 12815	4272	667 668 1335	2705.6		7545 6896 6247 20688	6896	649 649 1298	2700.8	
23	5201 4570 3940 13711	4570	631 630 1261	2831.7		7136 6471 5805 19412	6471	665 666 1331	2834.9	
24	5561 4910 4260 14731	4910	651 650 1301	2961.8		6972 6330 5687 18989	6330	642 643 1285	2962.8	
		107.854 3					159375			

F.B. [illegible] PG. 301

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. 50016
Notes by S. SHINODA Time 11:15-3:30 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-26 To BM 1-25
Date 7-19-51
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
25	5157 4505 3852 13514	107.854 3 4505	652 653 1305	29618 30923		7119 6466 5811 19396	159375 6465	653 655 1308	29626 30933	
26	6219 5563 4907 16689	5563	656 656 1312	32235	98°	6520 5869 5218 17607	5869	651 651 1302	32235	B.M. 1-25 (EL MONTE B-5) SEE F.B. 1202-29 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-26 TO BM 1-25
										TOTAL BACKSIGHTS + 117.922 " FORESIGHTS - 171.709 DIFF. IN ELEVATION - 53.787

117.922 171.709

F.B. 1202 PG. 302

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 S. Shimoda Time 1:15-3:15 PM Rod No. 7 5 8

Name [illegible]
Job No. 49-3
From BM 1-26 To EM. 34
Date 7-20-51
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
1	7050 6689 6328		361 361 722		#7	6497 6137 5778		360 359 719		BM 1-26 (E. Mont. R-5) See F.B. 1202-[illegible] For Description
	20067	6.689		722	96°	18412	6137		719	
2	4816 4313 3812		503 503 1006			6919 6417 5916		502 501 1003		π Geo. Drive
	12943	4314		1726		19252	6417		1723	
3	4285 3633 2981		652 652 1304			7488 6837 6182		651 657 1316		
	10899	3633		3030		20519	6840		3031	
4	4738 4088 3438		650 650 1300			7209 6558 5906		651 652 1303		
	12264	4088		4330		19673	6557		4341	
5	4712 4064 3412		652 652 1304			7669 7018 6364		651 654 1305		
	12192	4064		5634		21051	7017		5646	
		22.788					32.969			

F.B. [illegible] PG. 303

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. Nowmann Weather [illegible] Inst. No. 5[illegible]
Notes by S. Sidman Time 1:15-3:15 Rod No. 7 E 8

Name L. A. Co. Precise Level Net
Job No. 4923
From BM 126 To BM 134
Date 7-20-51
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
6	4777	20.788	653	5634		7469	32.569	649	5644.6	
	4124		653			6820		648		
	3471		1306			6172		1297		
	12372	4124		6940		20461	6.820		6943	
7	4737		646			7306		648		
	4091		643			6658		647		
	3448		1289			6011		1295		
	12276	4092		8239		19975	6.658		8238	
8	4939		649			6964		654		
	4290		649			6310		655		
	3641		1298			5655		1309		
	12870	4290		9527		18929	6310		9547	
F.B. 1202 PG. 304 9	4673		705			7473		678		
	3968		706			6805		676		
	3262		1411			6129		1354		
	11903	3968		10938		20417	6805		10901	
10	5459		648			7362		651		
	4811		649			6711		651		
	4162		1297			6060		1302		
	14432	4811		12235		20133	6711		12203	
	44073					66274				

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. Nourmann
Notes by S. Shinoda
Weather Sunny
Time 1:15-3:15 P.M.
Inst. No. 500.10
Rod No. T.E.S.

Name L.A.C. Flood Ctl. Dist.
Job No. 4723
From EM-B1 To EM-B4
Date 7-20-51
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
11	5757	44.573	645	1223.5		5693	66.274	651	1202.3	
	5110		650			6042		651		
	4460		1299			5391		1302		
	15827	5110		13334		18126	6042		13505	
12	6289		646			7743		647		
	5643		646			4196		649		
	4997		1292			3548		1295		
	16929	5643		14826		12587	4196		14800	
13	3813		646			4273		656		
	3167		649			8617		655		SUMMATION OF R.A.
	2518		1295			7962		1311		BM 1-26 (EL MONTE B-3) TO EM-B1
	9498	3166		16121		25852	8617		16161	
14	5673		648			7795		655		
	5025		650			7140		655		TOTAL BACKSIGHTS 67846 ✓ F.B.
	4375		1298			6485		1310		FORESIGHTS 99.609 ✓
	15073	5024		17419		21420	7140		17421	DIFF. IN ELEVATION 31.763 ✓
15	5480		650			7989		649		
	4830		650			7340		649		EL MONTE B-1
	4180		1300			6691		1298		REF. F.B. 926 - 6 7160
	14490	4830		18719	182	22020	7340		18719	PG.
		67846					99.609			

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 L.A. Co. Precise Level Net
Job No. 4923
From ..... To .....
Date 7-24-51
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. 1202 PG. 306										

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 8:10-9:50 A.M. Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4923
From EM-B-4 To B[illegible]
Date 7-23-51
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.	7927 7279 6650 21836	7279	648 649 1297	1297	#7 65°	5421 4769 4120 14310	4770	652 649 1301	1301	T.P. EL MONTE [illegible] REF. F.B. 906-[illegible]
2.	[illegible] 7083 6430 21251	7084	655 653 1308	2605		5619 4971 4322 4912	4971	648 649 1297	2598	[illegible]
3	[illegible] 8569 79[illegible] 25704	8568	655 658 1313	[illegible]		3762 3110 2473 [illegible]	3118	643 6[illegible] [illegible]	3887	
4.	4889 [illegible] 3592 [illegible]	4240	649 648 1297	5215		6359 5691 5045 17074	5691	647 646 1293	5120	
5.	6731 6079 5425 18235	6078	652 654 1306	6521		5798 5149 4501 15448	5149	649 648 1297	6477	
		33,247					23,649			

F.B. [illegible] 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 [illegible] Weather [illegible] Inst. No. 50010
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name L.A.C. Precise Level Net
Job No. 4925
From EM 8-4 To BM 1-26
Date 7-25-51
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	7352	35.249	652	652.1		[illegible]	[illegible]	647	647.7	
	6700		652			4201		647		
	6052		1304			4554		1294		
	20100	6.700		7825		17403	[illegible]		[illegible]	
7	7543		675			4739		707		
	6868		677			4032		706		
	6191		1352			3326		1413		
	[illegible]	6.267		[illegible]		[illegible]	[illegible]		4918.4	
8	6997		657			[illegible]		[illegible]		
	6340		655			4310		649		
	5672		[illegible]			3663		[illegible]		
	[illegible]	6.330		[illegible]		[illegible]	[illegible]		[illegible]	
9	7361		674			4700		641		
	[illegible]		643			4151		643		
	6367		1317			3507		1284		
	20150	6.717		11991		12451	4.150		11965.6	
10	7496		648			4802		651		
	6848		652			4151		651		
	6196		1299			3500		1302		
	20542	6.847		13044		[illegible]	[illegible]		15066.8	
		66.710					45.45			

F.B. 1222 PG. 308

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible] Level
Job No. 4923
From E.M. B-4 To B [illegible]
Date 7-23-51
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
11	7624 7041 6388 21123	[illegible] 7041	653 653 1306	1308.9 14395		4742 4091 3440 12273	45145 4091	[illegible] 651 1302	1306.7 8 143[illegible]	
12	[illegible] [illegible] [illegible] 21[illegible]	[illegible]	650 651 1301	[illegible]		5390 4735 [illegible] 14205	4735	655 655 [illegible]	[illegible]	
13	[illegible] [illegible] [illegible] 20123	[illegible]	652 653 1305	17001		[illegible] 3503 [illegible] [illegible]	[illegible]	[illegible] [illegible] [illegible]	[illegible]	[illegible]
14	[illegible] 6396 5890 19185	[illegible]	503 506 [illegible]	1801.0		4791 4295 [illegible] 12883	4294	496 498 994	1798.5	[illegible] 100.192 [illegible] 68.454 [illegible] 31.738
15	[illegible] [illegible] 5780 18405	6135	355 355 710	18720	[illegible]	7052 6687 [illegible] 20059	6.686	365 367 732	1871.5	BM 1-26 ([illegible]) See [illegible] For Descr[illegible]
		[illegible]					68.454			

F.B. [illegible] PG. 301

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. 202 PG. 310										

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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From BM [illegible] To EMB-4
Date [illegible]
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
1.	7014 6650 6286		363 364<
1.	7014 6650 6286		363 364 727		#2	6455 6100 5742		355 358 713		BM 1-22 ([illegible] SEE F.B. [illegible] [illegible]
	19986	6662		1820	62°	18297	6099		713	
2.	4418 3921 3403		497 518 525			6522 6022 5518		505 504 504		* [illegible]
	11760	3921		1522		18067	6022		1522	
3.	[illegible] 3552 2997		581 555 [illegible]			7409 6759 6109		650 650 650		
	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	
4.	[illegible] 4751 4093		638 658 [illegible]			7869 7211 6553		[illegible] 658 658		
	[illegible]	4422		1348		21633	7211		1948	
5	4751 4100 3447		651 652 1303			7702 7050 6398		[illegible] [illegible] [illegible]		
	12298	4100		3651		21150	7050		5226	
		22.977					33.149			

F.B. [illegible] PG. 311

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 10:00-11:30 Rod No. 7 & 8

Name [illegible]
Job No. 4[illegible]
From [illegible] To EMB-4
Date [illegible]
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
6.	4819 4167 3512 12498	[illegible] 4.166	652 655 1307	565.1 6958		7510 6862 6015 20587	[illegible] 6.[illegible]	648 6[illegible] 1295	562.6 8921	
7	4750 4[illegible]6 3462 12318	4.106	644 644 1288	8246		73[illegible] 6670 6020 20010	[illegible]	65[illegible] 65[illegible] 1300	8221	
8	4887 4235 3582 12704	4.235	652 653 1305	9551		6906 6252 5600 18758	6[illegible]3	654 652 1306	9527	
9	4684 3978 3270 11932	3.977	706 708 1414	10965		7490 6815 6140 20445	6.[illegible]5	675 675 1350	10877	
10.	5658 5021 4382 15061	5020	637 639 1276	12241		7586 6922 6260 20768	6[illegible]3	664 662 1326	12203	
		44.481					66.672			

F.B./202 PG. 312

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 10:00-11:30 AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM 1-26 To E.M. [illegible]
Date 7-23-51
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
11.	5[illegible]	44.481	637	1224.1		6921	[illegible]	664	1220.3	
	5[illegible]		639			6257		665		
	4686		1276			5592		1329		
	15973	5.324		1351.7		18770	6.257		1353.2	
12.	6472		652			5010		640		
	5820		654			4370		640		
	5166		1306			3730		1280		
	17458	5.819		1482.3		13[illegible]	4.370		1481.2	
13.	3878		653			9321		650		SUMMATION OF [illegible]
	3225		654			8671		652		BM 1-26 TO T.P. [illegible]
	2571		1307			8019		1302		
	9674	3.225		1613.2		26011	8.670		1611.4	
14	5603		649			7720		651		TOTAL BACKSIGHT 468.649
	4954		651			7069		650		FORESIGHT 100.397
	4303		1300			6419		1301		DIFF IN ELEVATION [illegible]
	14860	4.953		1743.0		21208	7.069		1741.5	
15	5503		655			8001		642		T.P. EL MONTE [illegible]
	4[illegible]		658			7359		641		REF. F.B. 9[illegible]
	4190		1313			6718		1283		
	14541	4.847		1874.3	1780	22078	7.359		1869.8	
		68.649					100.397			

F.B. [illegible] PG. 313

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./202 PG. 314

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
Notes by G.E. Dreier
Weather CLEAR & BREEZY
Time 3:20 PM - [illegible]
Inst. No. 50010
Rod No. 7 & 8

Name L.A. COUNTY PROJECT LEVELING
Job No. 4923
From B.M. 1-26 To [illegible]
Date 7-23-51
Indexed [illegible] 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
	7.890		646		#7	4.467		643		
	7.244		649			3.824		645		B.M. 1-26 ELEVATION FROM
	6.595		129.5 ✓			3.179		128.8 ✓		SEE F.B. 1202-30 FOR
1	21.729 ✓	7.243 ✓		129.5 ✓	86°	11.470 ✓	3.823 ✓		128.8 ✓	DESCRIPTION
	6.344		654			4.521		650		
	5.690		650			3.871		649		T H.F. NAUMANN
	5.035		130.4 ✓			3.222		129.9 ✓		
2	17.069 ✓	5.691 ✓		260.1 ✓		11.614 ✓	3.871 ✓		258.7 ✓	
	7.479		651			3.752		646		
	6.828		648			3.106		648		
	6.180		129.9 ✓			2.458		129.4 ✓		
3	20.487 ✓	6.829 ✓		390.0 ✓		9.316 ✓	3.105 ✓		388.1 ✓	
	6.560		648			3.993		648		
	5.912		649			3.345		648		T.P. Chiseled "D" on C
	5.263		129.7 ✓			2.697		129.6 ✓		
4	17.735 ✓	5.912 ✓		519.7 ✓	86°	10.035 ✓	3.345 ✓		517.7 ✓	STOPPED 4 PM 7-23-51
	6.858		654		66°	4.478		646		
	6.204		652			3.832		648		STARTED 8 [illegible]
	5.552		130.6 ✓			3.184		129.4 ✓		
5	18.614 ✓	6.205 ✓		650.3 ✓		11.494 ✓	3.831 ✓		647.1 ✓	
		31.880 ✓					17.975 ✓			

F.B. 1202 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 & Calm Inst. No. 50010
Notes by G. E. DREIER Time 8:00 - 9:15 A Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From 3M 1-26 To 3M 1-27
Date 7-24-51
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
	7357	31.880	668	650.3		4649	17.[illegible]	632	647.1	
	6.689		666			4.017		634		
	6023		133.4			3383		126.6		
6	20069	6.690		783.7		12.049	4.016		773.7	
	7.378		655			4318		646		
	6723		653			3.672		644		
	6.070		130.8			3028		129.0		
7	20.171	6.724		914.5		11.018	3.[illegible]73		902.7	
	6588		629			4472		684		
	5.959		6[illegible]			3788		683		
	5324		125.9			3105		136.7		
8	17.876	5.959		1040.4		11.[illegible]	3.[illegible]88		1039.4	
	7339		652			4.4[illegible]		64[illegible]		
	6.687		65[illegible]			3.766		64[illegible]		
	6035		130.4			3121		129.0		
9	20.061	6.687		1170.8		11.298	3.[illegible]		1168.4	
	7.388		647			4.656		[illegible]		
	6.741		650			4.003		656		
	6091		129.7			3347		130.9		
10	20220	6.740		1300.5		12006	4.[illegible]		[illegible]	
		64.680					37.[illegible]0			

F.B. 1202 PG. 316

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. NOUMANN Weather CLOUDY & CALM Inst. No. 50010
Notes by G. E. DOBIER Time 8:00 AM TO 2:15 PM Rod No. 7 & 8

Name L.A. Co. PRECISION LEVELING
Job No. 4922
From BM 1-26 To 5 1-27
Date 7-24-51
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
	7.641	6.680 ✓	661	1300.5 ✓		5.032	3.722 ✓	642	1299.3 ✓	
	6.980		661			4.390		642		
	6.319		1322 ✓			3.748		128.4 ✓		
11	20.940 ✓	6.980 ✓		1427 ✓		13.170 ✓	4.390 ✓		1427.7 ✓	
	7.558		652			5.108		649		
	7.203		655			4.459		651		
	6.848		1307 10			3.808		1300 ✓		
12	21.609 ✓	7.203 ✓		1563.7		13.375 ✓	4.458 ✓		1557.7 ✓	
	7.433		638			4.817		662		
	6.795		639			4.155		662		SUMMATION OF RU
	6.156		277 ✓			3.493		132.4 ✓		BM 1-26 TO B
13	20.384 ✓	6.795 ✓		1591.4		12.465 ✓	4.155 ✓		1693.1 ✓	
	7.433		659			5.156		649		TOTAL BACKSIGHTS 99.355 ✓
	6.774		658			4.507		647		" FORESIGHTS 99.793 ✓
	6.116		317 ✓			3.860		129.6 ✓		DIFF. IN ELEVATION +46.362
14	20.323 ✓	6.774 ✓		1822.4 31		13.523 ✓	4.508 ✓		1519.7 ✓	
	8.178		755			5.821		759		B.M. 1-27 ELMONTE 82
	7.423		756			5.062		759		SEE F.B. 1002-5
	6.667		751.1 ✓			4.303		151.8 ✓		FOR DESCRIPTION
15	22.268 ✓	7.423 ✓		1977.9 42	66°	15.176 ✓	5.062 ✓		1971.5 ✓	
		99.155 ✓					59.793 ✓			

F.B. 1002 PG. 317

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. 1202 PG. 316										

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 & Calm Inst. No. 50010
Notes by G.E. DREIER Time 9:15 A.M. To 10:30 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Level No. 7
Job No. 4923
From B.M. 1-27 To 5-26
Date 7-24-51
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.	5784 5025 4266 15,075	5025	759 759 151.8	151.8	7 60	8141 7386 6632 22,159	7386	755 754 150.9	150.9	BM 1-27 (E. Mont. B-2) SEE F.B. 1204-[illegible] FOR DESCR. [illegible]
2	5103 4447 3794 13,344	4,448	656 653 1309	282.7		7371 6718 6067 20,156	6,719	653 651 1304	281.3	TO H.F. NAUMANN
3	4763 4117 3468 12,348	4,116	646 649 1295	412.2		7404 6752 6099 20,255	6,752	652 653 1305	411.8	
4	5114 4462 3810 13,386	4,462	652 652 1304	542.6		7858 7207 6555 21,620	7,207	651 652 1303	542.1	
5	5049 4421 3793 13,263	4,421	628 628 1256	668.2		7688 7013 6338 21,039	7,013	675 675 1350	677.1	
		22,472					35,077			

F.B. 1202 PG. 319

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. SHINOLA Time 9:15-10:30A Rod No. 733

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-27 To BM 1-26
Date 7-24-51
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
6.	4668 4000 3332 12000	22.472 4.000	668 668 1336	6682 8018		7373 6740 6108 20221	33.[illegible]77 6740	633 632 1265	6771 8036	
7	4402 3752 3100 11254	3751	650 652 1302	9320		7319 6673 6027 20019	6[illegible]73	646 646 1292	9328	
8.	4499 3831 3164 11491	3830	668 670 1338	10658		6647 6002 5358 18007	6[illegible]	645 644 1289	10617	
9.	4280 3645 3007 10932	3644	635 638 1273	11931		7357 6695 6032 20084	6[illegible]5	662 663 1325	11942	
10.	4492 3840 3188 11520	3840	652 652 1304	13235		7160 6514 5866 19540	6[illegible]8	646 648 1294	13236	
		41.537					67.700			

F.B. 1202 PG. 320

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 [illegible] Inst. No. 5[illegible]
Notes by S. Sanders Time 7:15-10:30 AM Rod No. 2[illegible]

Name L. A. Co. Pr[illegible]
Job No. 4[illegible]
From BM 1-27 To [illegible]
Date 7-24-51
Indexed A. C. Jones

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
11	4079 3640 2944 10919	4.557	.347 .348 .695 6.640	1325.5 1453.0		6627 6016 5362 11945	6.700	654 1305 6.045	1354.1	
12	3452 3806 2658 9[illegible]	3.305	.346 .648 .994	1582.4		5519 5964 5[illegible] [illegible]	5.864	.650 .649 .299	1524.0	
13	3740 3[illegible] 2445 [illegible]	3.0[illegible]	.648 .647 1.295	1711.9		7471 [illegible] [illegible] 20[illegible]	6.82[illegible]	.649 .651 1.300	1714.0	SUMMATION OF [illegible] BM 1-27 TO B[illegible]
14	4[illegible] [illegible]047 3394 12130	4.04[illegible]	.653 .655 1.308	1827		[illegible] 5862 5012 1956[illegible]	5.2[illegible]	.[illegible] .650 1.300	1844.0	TOTAL BACKS[illegible] [illegible] " FORESIGHTS [illegible] DIFF IN SUMMATION [illegible]
15	4416 3772 3128 11316	3.772	.644 .644 1.288	1971.5	70	7845 7195 6544 21584	7.195	.650 .651 1.301	1974.1	BM 1-26 ([illegible]) SEE F.B. 12[illegible] FOR [illegible]
		59.392					99.462			

F.B. 12[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. 202 PG. 322										

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 1:10-2:15 PM Rod No. 7E8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-27 To B 1-28
Date 7-24-51
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.	7316 6659 6003 19978	6.659	657 656 1313	131.3	#7 84°	5393 4739 4087 14219	4740	654 652 1306	130.6	BM 1-27 (EL MONTE B-2) SEE F.B 1200-31 FOR DESCRIPTION
2.	7669 7032 6372 21073	7031	637 640 1277	259.0		4770 4113 3453 12336	4112	657 660 1317	262.3	π H.F. NAUMANN
3.	7172 6526 5878 19576	6.525	646 648 1294	388.4		3202 2554 1905 7661	2554	648 649 1297	392.0	
4.	9028 8468 7810 25406	8.469	660 658 1318	520.2		2577 1934 1292 5803	1.934	643 642 1285	520.5	
5.	9088 8433 7778 25299	8.433	655 655 1310	651.2		3327 2680 2030 8037	2.679	647 650 1297	650.2	
		37.117					16.019			

F.B. 1202 PG. 323

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 1:10-2:15 P.M. Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 1-27 To BM 1-28
Date 7-24-51
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
6	8243 7638 6922 22914	37.117 7.638	655 653 1308 10	651.2 7820		3199 2546 1892 7637	16.119 2.546	653 654 1307	650.2 7809	
7	7267 6623 5975 19865	6.622	644 648 1292	911.2		3184 2545 1905 7634	2.545	639 640 1279	908.8	
8	5663 5033 4404 15100	5.033	630 629 1259	1037.4		8288 7638 6986 22912	7.637	650 652 1302	1039.0	
9	4787 4156 3527 12470	4.157	631 629 1260	1163.4		6872 6217 5558 18647	6.216	655 659 1314	1170.4	
10	5908 5278 4646 15832	5.277	630 632 1262	1289.5		5764 5107 4452 15323	5.108	657 655 1312	1301.6	
		65.844					40.071			

F.B. 1202 PG. 324

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 - 2:15 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Nr
Job No. 4923
From BM 1-27 To BM 1-28
Date 7-24-51
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
11	3908	65.844 ✓	514	1289.3 5		5578	40.071 ✓	451	1301.6 ✓	BM 1-28 (U.S. 2-28)
	3394		514			5127		454		SEE F.B. 1202-72
	2880		1028 ✓			4673		905 ✓		FOR DESCRIPTION
	10182 ✓	3.394 ✓		1392.1 3 ✓	88°	15378 ✓	5.126 ✓		1392.1 ✓	
										SUMMATION OF RUN BM 1-27 TO BM 1-28
										TOTAL BACKSIGHTS +69.238 ✓
										" FORESIGHTS -45.197 ✓
										DIFF. IN ELEVATION -24.041 ✓
		69.238 ✓					45.197 ✓			

F.B. 1202 PG. 325

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. 1002 PG. 326										

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 2:15-3:30 PM Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4925
From BM 1-28 To [illegible] 27
Date 7-24-51
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	5645 5163 4680 15488	5.163	482 483 965	96.5	#7 88°	3913 3429 2947 10289	3.430	484 482 966	96.6	BM 1-28 (US 26 [illegible]) SEE F B 1202 [illegible]32 FOR DESCRIPTION
2	5912 5269 4627 15808	5.269	643 642 1285	225.0		6084 5436 4788 16308	5.436	648 648 1296	226.2	π. H. F. NAUMANN
3	6829 6168 5508 18505	6.168	661 660 1321	357.1		4736 4109 3483 12328	4109	627 626 1253	351.5	
4	8308 7660 7011 22979	7.660	648 649 1297	486.8		5686 5054 4422 15162	5.054	632 632 1264	477.9	
5	3161 7523 1383 7566	2.522	638 641 1279	614.7		7245 6597 5951 19793	6.598	648 646 1294	607.3	
		26.782					24.627			

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. SHINDON Time 2:15-3:30 AM Rod No. 7 & 8

Name L.A. COUNTY LEVEL NET
Job No. 4923
From BM 1-28 To BM 1-27
Date 7-24-51
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	3257	26.782	635	614.7		7777	24.621	669	607.3	
	2622		639			7108		670		
	1983		1274			6438		1339		
	7862	2.621		741.1		21323	7.108		741.2	
7	2688		650			9057		655		
	2038		650			8402		654		
	1388		1300			7748		1309		
	6114	2.038		872.1		25207	8.402		872.1	
8	2564		646			9108		655		
	1918		648			8453		655		
	1270		1294			7798		1310		
	5752	1.917		1001.5		25359	8.453		1003.1	
F.B. 1202 PG. 328 9	3129		646			7107		648		
	2483		649			6459		648		
	1834		1295			5811		1296		
	7446	2.482		1131.0		19377	6.459		1132.7	
10	4833		661			7783		639		
	4172		659			7094		640		
	3513		1320			6454		1279		
	12518	4.173		1263.0		21281	7.094		1260.6	
		40.013					62.143			

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 2:15-3:30AM Rod No. 7 & 8

Name L. A. Co. Precise Level N[illegible]
Job No. 4923
From BM-1-28 To [illegible] 1-2
Date 7-24-51
Indexed [illegible] 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
	4933	40.013 ✓	650	1263.0 ✓		6858	62.143 ✓	656	1260.6 ✓	
	4283		650			6202		655		BM [illegible] (Cel[illegible] B-2
11	3633		1300 ✓			5547		1311 ✓		SEE F.B. 1202 [illegible]
	12849 ✓	4283 ✓		1393.0 ✓	92°	18607 ✓	6202 ✓		1391.7 ✓	FOR DESCRIPTION
		44.296 ✓					68345 ✓			
										SUMMATION OF [illegible] BM 1-28 TO BM [illegible]
										TOTAL BACKSIGHTS - 44.29[illegible] ✓
										" FORESIGHTS - 68.34[illegible] ✓
										DIFF. IN ELEVATION - 24.047 ✓
		44.296					68.345			

F.B. 1202 PG. 3[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..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No. .....
From..... To.....
Date .....
Indexed A. C. Johnson

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. 262 PG. 33										

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. Nakamura Weather CLEAR Inst. No. 52010
Notes by S. Shinoda Time 3:30-4:00 PM Rod No. 7 E B

Name L.A. Co. Rd. Dept. Level Net
Job No. 4923
From BM 1-28 To B
Date 7-24-51
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.	5654 5170 4688		484 482 966			3921 3440 2959		481 481 962		B.M 1-28 (U.S. 2038) SEE F.B. 1202 FOR DESCR. OF BM
	15512	5.171		96.6		10320	3.440		96.2	
2	5869 5229 4588		640 641 1281			6043 5395 4748		648 647 1295		
	15686	5.229		224.7		16186	5.395		225.7	
3.	6762 6100 5439		662 661 1323			4669 4043 3419		626 624 1250		
	18301	6.100		357.0		12131	4.044		350.7	
4.	7708 7024 6341		684 683 1367			3200 2488 1773		712 715 1427		STOPPED 4:00 PM 7-24-51
	21073	7.024		423.7	92°	7461	2.487		413.4	
5.	6202 5560 4917		642 643 1285			4192 3541 2889		651 652 1303		BEGAN 11:15 AM 7-25-51
	16679	5.560		622.2	80°	10622	3.541		623.7	
		29.084					18.907			

F.B. 1202 PG. 231

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. T. NAUMANN Weather CLEAR Inst. No. 50910
Notes by S. SHIMODA Time 11:15-12:00 Rod No. 7E8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 1-28 To BM 1-29
Date 7-25-51
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.	6561	29.084	651	622.2		4736	18.707	654	623.7	
	5910		652			4082		653		
	5258		1303			3429		1307		
	17729	5.910		7525		12247	4.082		7584	
7	6933		654			3322		653		
	6279		655			2669		654		
	5624		1309			2015		1307		
	18836	6.279		8834		8006	2.669		8851	
8	6585		653			3811		644		
	5582		654			3166		644		SUMMATION OF RUN
	4930		1305			2531		1288		BM 1-28 TO BM 1-29
	16747	5.582		10139		9525	3.175		10139	
F.B. 1202 PG. 33 9.	5879		496			5111		509		TOTAL BACKSIGHTS - + 57.328
	5383		495			4602		510		" FORESIGHTS - - 38.982
	4888		991			4092		1019		DIFF IN ELEVATION - + 18.346
	16150	5.383		11130		13805	4.602		11158	
10.	5637		550			6120		572		
	5089		548			5548		575		BM 1-29 (U.S. 4009)
	4541		1098			4973		1147		SEE F.B. 1202-33
	15269	5.090		12228		16641	5.547		12305	FOR DESCRIPTION
	57.328					38.982				

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 1:00-2:20 PM Rod No. 7 & 8

Name L.A. Co. Precise Levelle
Job No. 4923
From BM 1-29 To B 91-28
Date 7-25-51
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.	6396 5822 5248 17466	5.822	574 574 1148	114.8	#7 84°	5915 5368 4820 16103	5.368	547 548 1095	109.5	BM 1-29 (U.S. 4[illegible]) SEE F.B. 1202-[illegible] FOR DESCRIPTION
2.	5373 4871 4367 14611	4.870	502 504 1006	215.4		6151 5650 5148 16949	5.650	501 502 1003	209.8	T. GEO DREIER
3.	3845 3214 2586 9645	3.215	631 628 1259	341.3		6284 5618 4951 16853	5.618	666 667 1333	343.1	
4.	3333 2683 2032 8048	2.683	650 651 1301	471.4		6947 6289 5630 18866	6.289	658 659 1317	474.8	
5.	4672 4018 3366 12056	4.019	654 652 1306	602.0		6500 5845 5190 17535	5.845	655 655 1310	605.8	
		20609					28.770			

F.B. 1202 PG. 333

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 1:00-2:20 AM Rod No. 7 & 3

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 1-29 To BM 1-28
Date 7-25-51
Indexed ~~A. G. 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	4201 3545 2889 10635	20.609 3.545	656 656 1312	602.0 733.2		6201 5563 4923 16687	8.170 5.562	638 640 1278	605.8 733.6	
7	3321 2622 1921 7864	2.621	699 701 1400	873.2		7848 7151 6452 21451	7.[illegible]3	697 699 1376	873.2	
8	4661 4033 3404 12098	4033	628 629 1257	998.9		6751 6092 5433 18276	6.[illegible]2	659 659 1318	1005.0	SUMMATION OF RUN BM 1-29 TO BM 1-28
9.	6066 5409 4751 16226	5.409	657 658 1315	1130.4		5874 5242 4610 15726	5.242	632 632 1264	1131.4	TOTAL BACKSIGHTS +39.603 " FORESIGHTS −57.933 DIFF IN ELEVATION −18.330
10.	3870 3386 2901 10157	3.386	484 485 969	1227.3	84°	5598 5117 4635 15350	5.117	481 482 963	1227.7	BM 1-28 (US 2638) SEE F.B. 1202-32 FOR DESCRIPTION
		39.603					5[illegible]			

F.B. 1202 PG. 334

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. 500,10
Notes by S. SHINODA Time 2:20-4:00 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NO.
Job No. 4923
From B.M. 1-28 To B.M. 1-29
Date 7-25-51
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.	5602		480		#7	3876		486		B.M.-21 (U.S. 263)
	5122		481			3390		483		SEE F.B. 1202-[illegible]
	4641		961			2907		969		FOR DESCRIPTION
	15365	5.122		96.1	84°	10173	3.391		96.9	
2.	5960		642			6130		644		⊼ ED LANDAU
	5318		638			5486		646		
	4680		1280			4840		1290		
	15958	5.319		224.1		16456	5.485		225.9	
3.	6761		661			4666		624		
	6100		660			4042		622		
	5440		1321			3420		1246		
	18301	6.100		356.2		12128	4.043		350.5	
4.	7804		686			3297		712		
	7118		686			2585		713		
	6432		1372			1872		1425		
	21354	7.118		493.4		7754	2.585		493.0	
5.	6265		646			4248		648		
	5619		649			3600		650		
	4970		1295			2950		1298		
	16854	5.618		622.9		10798	3.599		622.8	
		29.277					19.103			

F.B. 1202 PG. 335

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 2:20-4:00 PM Rod No. 7 & 8

Name L.A.Co. Precise Level Net
Job No. 4923
From BM 1-28 To BM 1-29
Date 7-25-51
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.	6688	29.277	656	6229		4857	19.103	652	6228	
	6032		654			4205		651		
	5378		1310			3554		1303		
	11098	6.033		7539		12616	4.603		7531	
7.	7048		656			3440		656		
	6392		652			2784		654		
	5740		1308			2130		1310		
	19180	6.393		8847		8354	2.785		8841	
8.	6242		656			3820		639		
	5585		658			3181		638		SUMMATION OF RUN
	4927		1314			2543		1277		BM 1-28 TO BM 1-29
	16754	5.585		10162		9544	3.181		10118	
9	5886		495			5122		510		
	5391		493			4612		510		TOTAL BACKSIGHTS + 57.911
	4898		988			4102		1020		" FORESIGHTS - 39.576
	16175	5.392		11150		13836	4.612		11138	DIFF IN ELEVATION + 18.335
10	5781		551			6261		571		
	5230		549			5690		571		BM 1-29 (U.S. 4009)
	4681		1100			5119		1142		SEE F.B. 1202-33
	15692	5.231		12250	86°	17070	5.690		12280	FOR DESCRIPTION
		57.911					39.576			

F.B. 1202 PG. 336

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 & CALM Inst. No. 50010
Notes by S. SHINODA Time 8:15 AM. TO 9:00 AM Rod No. 7 & 8

Name L.A. Co. PRECISE L[illegible]
Job No. 4923
From B.M. 1-29 To B.M. 1-30
Date 7-26-51
Indexed 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
	7.286		653		#7	5284		660		B.M. 1-29 (U.S. 4009) [illegible]
	6.633		653			4.624		659		SEE F.B. [illegible]
	5.980		130.6 ✓			3.965		131.9 ✓		FOR DESCRIPTION
1	19.899 ✓	6.633 ✓		130.6 ✓	72°	13.873 ✓	4.624 ✓		131.9	
	6.192		651			5122		644		
	5.541		652			4.478		645		⊼ H.F. NAUMANN
	4.889		130.3 ✓			3.833		128.9 ✓		
2	16.622 ✓	5.541 ✓		260.9 ✓		13.433 ✓	4.478 ✓		260.8 ✓	
	6.283		660			5072		648		
	5.423		660			4.424		648		
	4.763		132.0 ✓			3.776		129.6 ✓		
3	16.269 ✓	5.423 ✓		392.9 ✓		13.272 ✓	4.424 ✓		390.4 ✓	
	6314		651			4850		650		
	5663		651			4300		650		
	5012		1302 ✓			3650		1300 ✓		
4	16989 ✓	5.663 ✓		523.1 ✓		12900 ✓	4300 ✓		520.4 ✓	
	6626		667			5889		636		
	[illegible]		664			5253		636		
	5295		1331 ✓			4617		1272 ✓		
5	17880 ✓	5.960 ✓		656.2 ✓		15759 ✓	5.253 ✓		647.6 ✓	
		29.220 ✓					23.079 ✓			

F.B. [illegible] PG. 337

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. NAUMAN J. Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:15 TO 9:00 AM Rod No. 7 E B

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-29 To BM 1-30
Date 7-26-51
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
6	6259 5629 4992 16886	29.220 5.629	630 631 126.1	656.2 782.3		5484 4825 4167 14476	[illegible]79 4.825	659 658 1317	647.6 779.3	
7.	5272 4678 4082 14032	4.677	594 596 119.0	901.3		4575 3977 3378 11930	3.977	598 599 1137	899.0	
8.	5579 5508 5437 16524	5.508	71 71 14.2	915.5	74°	5399 5322 5243 15964	5.[illegible]	77 79 15.6	914.6	BM 1-30 (U.S. 4010) (A770) SEE F.B. 1202-34 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-29 TO BM 1-30
										TOTAL BACKSIGHTS + 45.034 " FORESIGHTS - 37.202 DIFF IN ELEVATION + 7.832

45.034 37.202

F.B. 1202 PG. 330

FORM 279 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 9:00-9:50AM Rod No. 7 & 8

Name L.A. Co. Precise Lev. Ne
Job No. 49[illegible]
From BM 1-30 To B[illegible]
Date 7-26-51
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
1.	5397 5323 5248 15968	5.323	74 75 149	149	#7 750	5585 5510 5436 16531	5.510	75 74 149	149	BM -30 (U.S. 40[illegible]) (A[illegible]70) SEE F.B. 1[illegible] FOR DESCRIPTION
2	4667 4066 3470 12197	4066	1595 596 1191	1340		5367 4768 4170 14305	4.768	599 598 1197	1346	T H.F. NAUMANN
3	5466 4822 4179 14467	4.822	644 643 1287	2627		6272 5627 4980 16879	5.626	645 647 1292	2638	
4	5906 5263 4620 15785	5.262	639 643 1282	3909		6631 5971 5311 17913	5.971	660 660 1320	3958	
5	4910 4248 3586 12744	4248	662 662 1324	5233		6250 5612 4971 16833	5.611	638 641 1279	5237	
		23.721					27.486			

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
[illegible] HALL [illegible]RDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE [illegible] IN RED INK, [illegible] DATE AND NAME OF PERSON [illegible]

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

1202

Chief of Party H.F. [illegible] Weather [illegible] Inst. No. 50010 Name [illegible]
Notes by S. Shi[illegible] Time [illegible] Rod No. 7 & 8 Job No. 4[illegible]
From BM 1-30 To BM 1-29
Date 7-26-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Total Intervals	Sum Intervals	U.S. Rod Read	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum Intervals	DESCRIPTION AND REMARKS
6	5058	23.721	651	523.3		6063	[illegible]	656	523.7	
	4407		651			5407		657		
	3756		1302			4750		1313		
	3221	4.407		6535		[illegible]	[illegible]		6550	
7	[illegible]		652			6238		647		
	[illegible]		647			[illegible]		[illegible]		
	[illegible]		1301			4943		[illegible]		
	[illegible]	4.528		7836		16772	[illegible]		7[illegible]	
8	[illegible]		656			7282		655		
	4616		656			[illegible]		655		BM 1-29 (US 4009) (2709)
	[illegible]		1312			5972		1310		See F.B. 1200
	13[illegible]	4.616		9[illegible]48	80°	19881	[illegible]		9155	FOR DESCRIPTION
										SUMMATION OF RUN [illegible] 30 TO BM 1-29
										TOTAL BACKSIGHTS + 37.272
										FORESIGHTS − 45.111
										DIFF IN ELEVATION − 7.839
		37.272					45.111			

Mr. Johnson June 87

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