Notes Ck'd by	Survey of	F. B. 1305 Pg. 5
Map No.	W. O. 1923 Tape No. St'd. °F	
Office Work	Surveyed by H. E. NOUMANN	
Checked	Notes H. E. N. Date Aug 51	
Date	Indexed C. Johnson	

LINE "4"

L.A. COUNTY PRECISE LEVEL NET. 1

J.N. 1923

H. E. NOUMANN

G. E. DREIER

E. LANJA

M. SONNENSCHEIN

S. SHINODA

T. OHASHI

Microfilmed Jan '88

F. B. 1205 PG. 6

NOT RECOVERED 9-3-65, K.E.D.

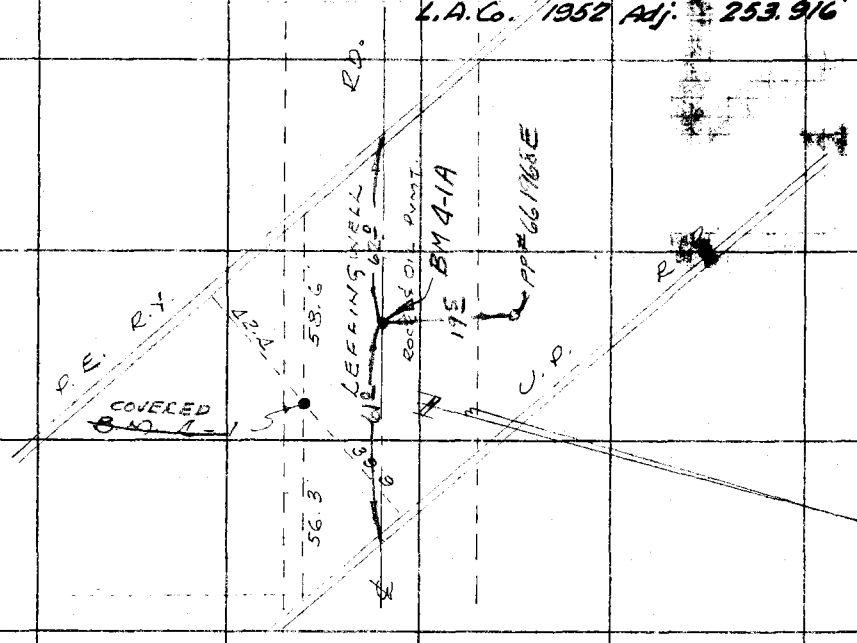
BM 4-1A ~~BM 4-1~~ (LA HABRA B-8) AUX 1 1960

THIS STATION IS ABOUT 2-1/4 MILES WEST OF LA HABRA, ON LEFFINGWELL RD., 1/4 MILE WEST OF FIRST AVE., BETWEEN THE UNION PACIFIC R.R. AND THE PACIFIC ELECTRIC RY. CROSSING (LA HABRA BRANCH) ~~1.5~~ FT. NORTHWESTERLY FROM THE SOUTHEAST EDGE OF PAVEMENT, 42.4 FT. NORTHEASTERLY FROM THE NORTHEAST RAIL OF THE PACIFIC ELECTRIC RY., 58.9 FT. SOUTHWESTERLY FROM THE SOUTHWEST RAIL OF THE UNION PACIFIC R.R., AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT".

STATION MARKED: A STANDARD 4 INCH BRASS TABLET [illegible] "L.A. COUNTY SURVEY CONTROL SYSTEM [illegible] STATION LA HABRA B-8 R.F. [illegible] SET IN [illegible] 2 INCHES BELOW THE [illegible] OF STREET.

REFERENCE: A.B. 531-[illegible], 50, M[illegible]

L.A.Co. 1952 Adj. 253.916



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

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Notes Ck'd by	Survey of PRECISE LEVEL NET	F. B. 1205 Pg. 7
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by H.F. NAUMAN	
Checked	Notes H.F.N. Date AUG '51	
Date	Indexed A. C. Johnson	

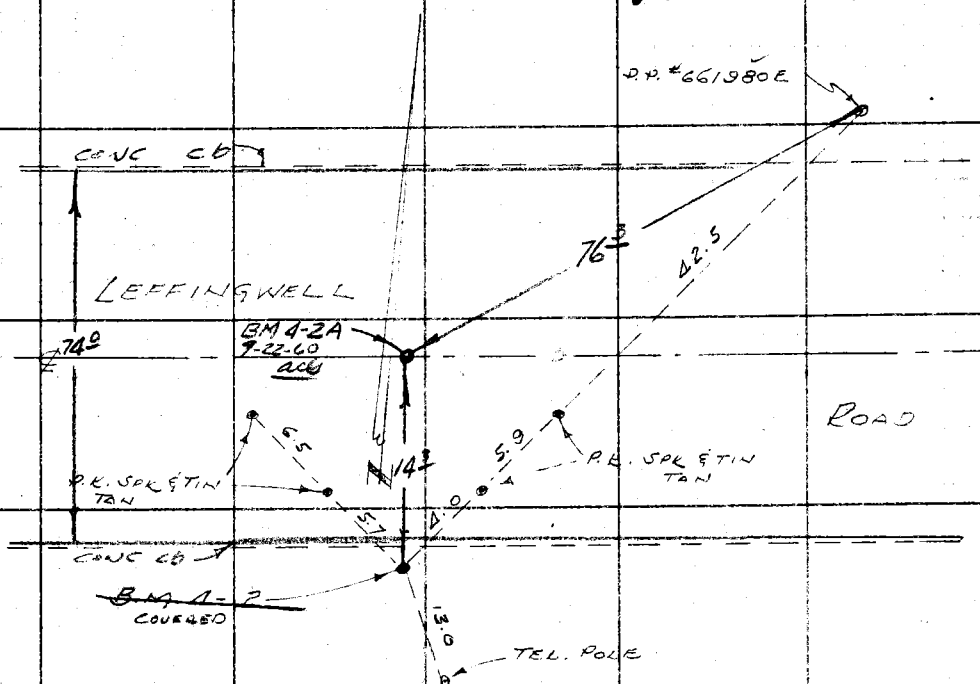
BM 4-2A
~~B.M. 4-2~~ (La Habra A-9) AUX 1 1960

This station is located on Leffingwell Rd. about 3 miles west of La Habra, ~~1 ft. Southeasterly from the southeast edge of pavement,~~ and 619.5 ft. northeasterly (measured along southeast edge of pavement) from the southerly prolongation of the center line of pavement on Scott Ave.

Station Mark: A standard 4 inch brass tablet inscribed: "L.A. County Survey Control System Traverse Station La Habra A-9 Aux 1 R.E. ~~2117~~ 5869 Set by County ~~Surveyor~~ ENGINEER ~~1942~~ 1960," was set in concrete 15 inches below the pavement surface.

REFERENCE: F.B. 931-27,28.

~~L.A.Co. Adj (1952)~~ 227.861



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76F3095 247 10M 1-49

F. B. 1205 PG. 8

BM 4-3 (WHITTIER L-9) (SY 1153)

THIS STATION IS ABOUT 3 1/4 MILES WEST OF LA HABRA AT THE INTERSECTION OF LEFFINGWELL AND STAMY RDS. ~~9.2 FT. NORTHERLY FROM THE SOUTH EDGE OF PAVEMENT ON STAMY RD., 15 FT EASTERLY FROM THE CENTER OF PAVEMENT ON STAMY RD.,~~ LEFFINGWELL RD. 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

DESCRIBED: L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION WHITTIER L-9 A.E. 2177 SET BY COUNTY SURVEYOR 4942, WAS SET IN CONCRETE 2 INCHES BELOW SUBGRADE OF STREET.

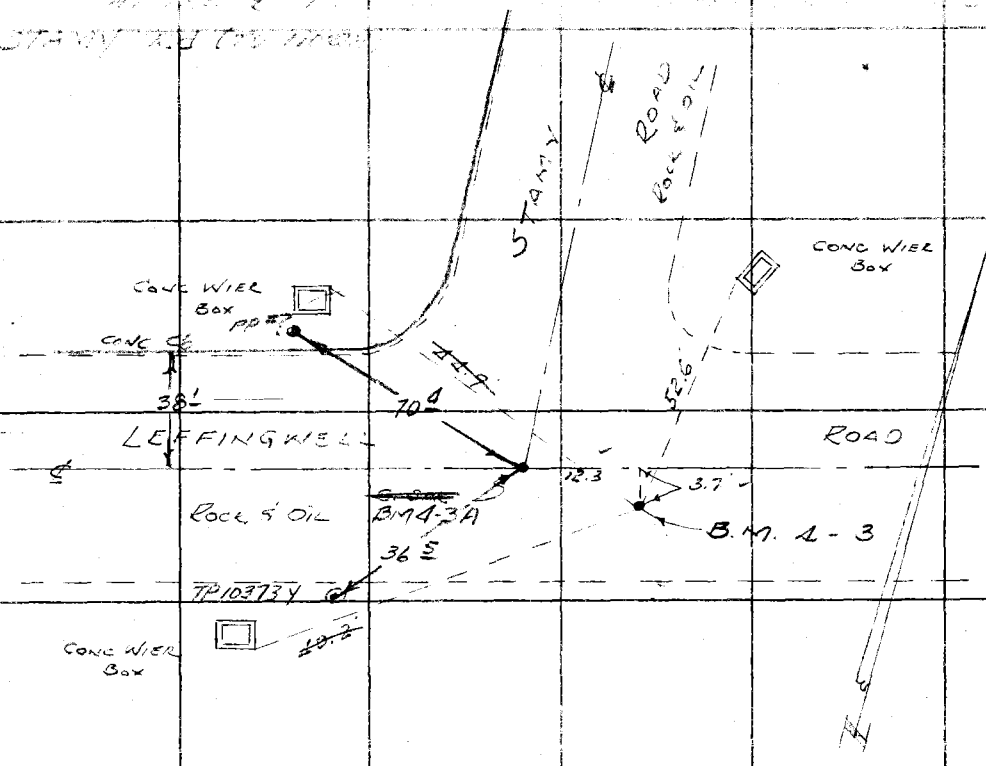
REFERENCE F.F. 931-25, 26

~~SY 1153 REFERENCE SY 3-512~~

L.A. Co. 1952 Adj. = 224.878

BM 4-3A (WHITTIER L-9 AUX 2 1960)

AT THE ℄ INTERSECTION OF LEFFINGWELL AND STAMY RD (TO NORTH)



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Notes Ck'd by	Survey of [illegible]	F. B. 1205 PG. 9
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by H.F. NAUMANN	
Checked	Notes H.F.N. Date AUG 51	
Date	Indexed R. C. Johnson	

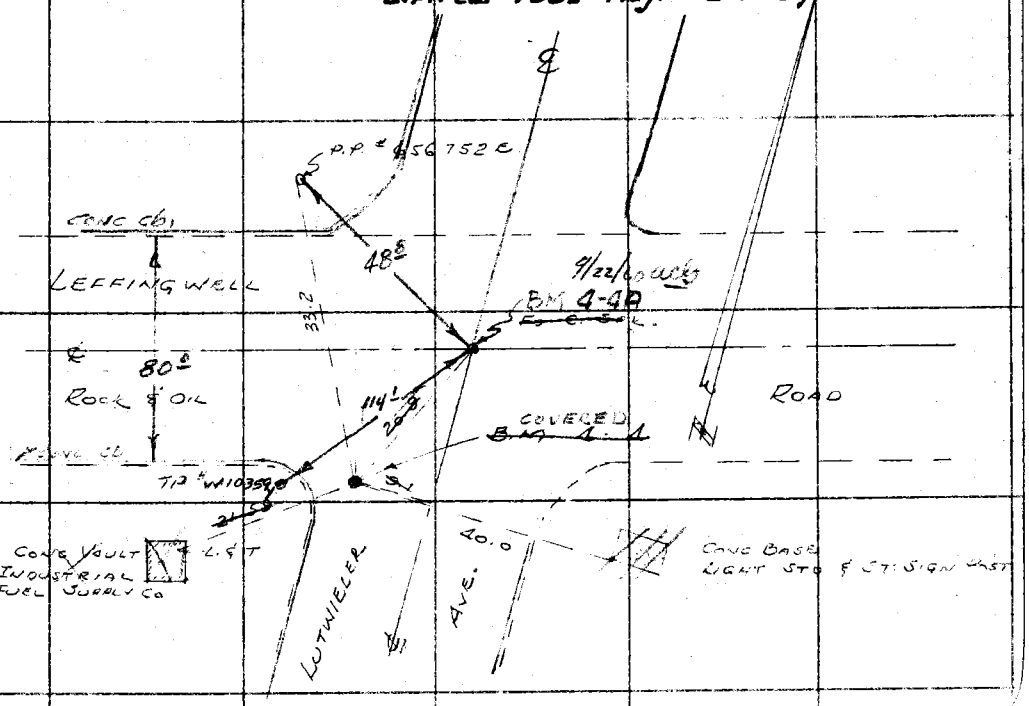
~~BM 4-4~~ (WHITTIER K-3) AUX 1 1960
BM 4-4A

THIS STATION IS LOCATED AT THE ℄ INTERSECTION OF LEFFINGWELL RD. AND LUITWEILER AVE., IN THE SANTA FE SPRINGS - LA HABRA DISTRICT, ~~[illegible] FROM THE PROJECTION OF THE SOUTH EDGE OF [illegible] LEFFINGWELL RD., [illegible] NORTHERLY PROLONGATION OF THE CENTER LINE OF PAVEMENT OF LUITWEILER 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 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM [illegible] STATION WHITTIER K-3 R.F. 5867 SET BY COUNTY ENGINEER 1960 AUX1 [illegible] WAS SET [illegible] INCHES BELOW THE SUBGRADE OF STREET.

[illegible] 931-23, 24

~~L.A. Co. 1052 Adj. = 216.370~~



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76F309S 247 10M 1-49

F. B. 1205 PG. 10

BM - 4-5A AUX 1 9/21/60 acb

~~BM 4-5~~ (WHITTIER J-9) (~~SY 1156~~)

THIS STATION IS ON LEFFINGWELL RD. [illegible] THE [illegible] SPRINGS - LA [illegible] DISTRICT, [illegible] MI. EASTERLY [illegible] ~~1.5 FT. NORTHEASTERLY~~ [illegible]

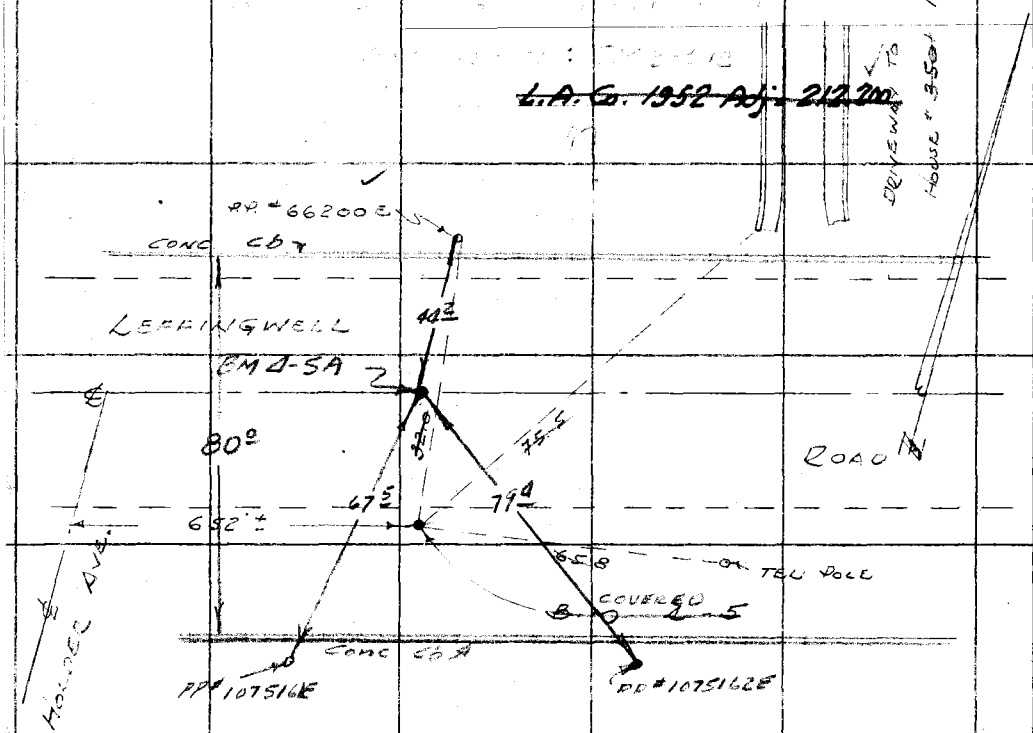
ENGINEER

5869 RE

ENGINEER

1965

~~L.A. Co. 1952 Adj. 212.200~~



RETURN TO
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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 1933 Tape No. St'd. °F
Office Work	Surveyed by L. F. Naumann
Checked	Notes H.F.N. Date Aug 51
Date	Indexed ~~R. C. Johnson~~

F. B. 1205 Pg. 11

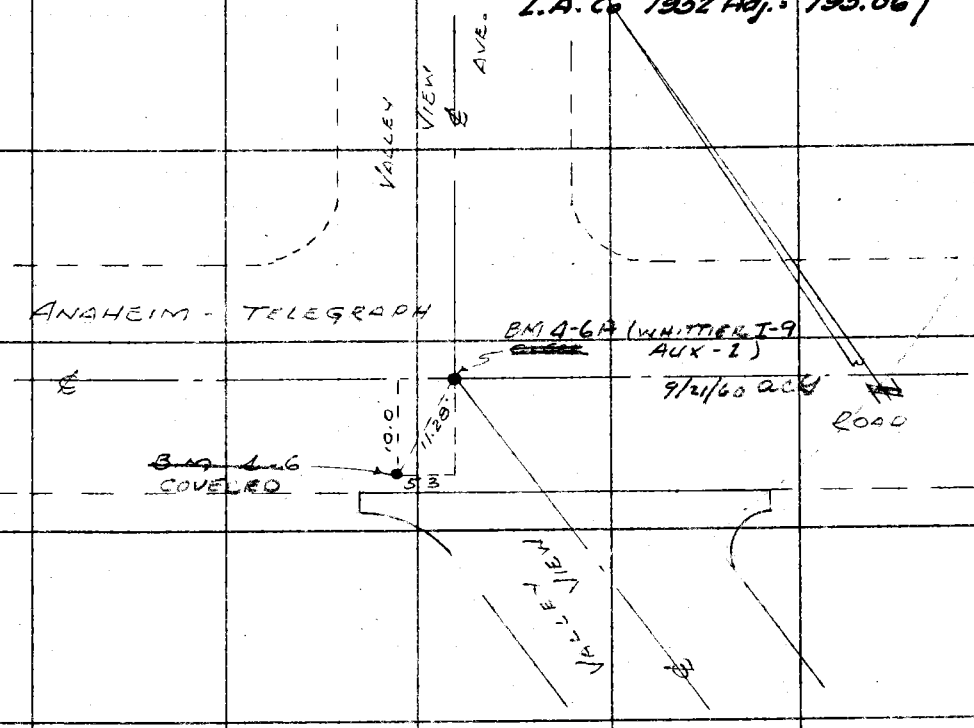
~~[illegible]~~ BM 4-6 A [illegible] AUX I

[illegible] ANAHEIM TELEGRAPH RD. AND VALLEY VIEW AVE., IN THE VICINITY OF SANTA FE SPRINGS. ~~[illegible]~~ ~~[illegible] PROLONGATION OF [illegible] AVE., 5.7 FT. [illegible] OF ANAHEIM TELEGRAPH RD. [illegible] WELL CUT [illegible] AND PROTECTED BY A CAST IRON [illegible] ENGINEER [illegible]

STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY [illegible] STATION WHITTIER I-9 ~~[illegible]~~ 5869 AUX-1 SET BY COUNTY ENGINEER ~~[illegible]~~ 1960", WAS SET IN CONCRETE [illegible] SUBGRADE OF STREET.

REFERENCE F.B. 931-15, 16.

L.A. Co 1952 Adj.: 195.067



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726 LOS ANGELES COUNTY
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76F3095 247 10M 1-49

F. B. 1205 PG. 12

BM 4-7 (WHITTIER H-8) (SY 1164)

THIS [illegible] TELEGRAPH RD. IN THE VICINITY OF SANTA FE SPRINGS, 4 FT SOUTHWESTERLY FROM THE SOUTHWEST EDGE OF PAVEMENT, 76.7 FT. NORTHWESTERLY (MEASURED ALONG EDGE OF PAVEMENT) FROM THE SOUTHWESTERLY PROJECTION OF THE NORTHWEST EDGE OF STUCCO HOUSE # 13687 [illegible]

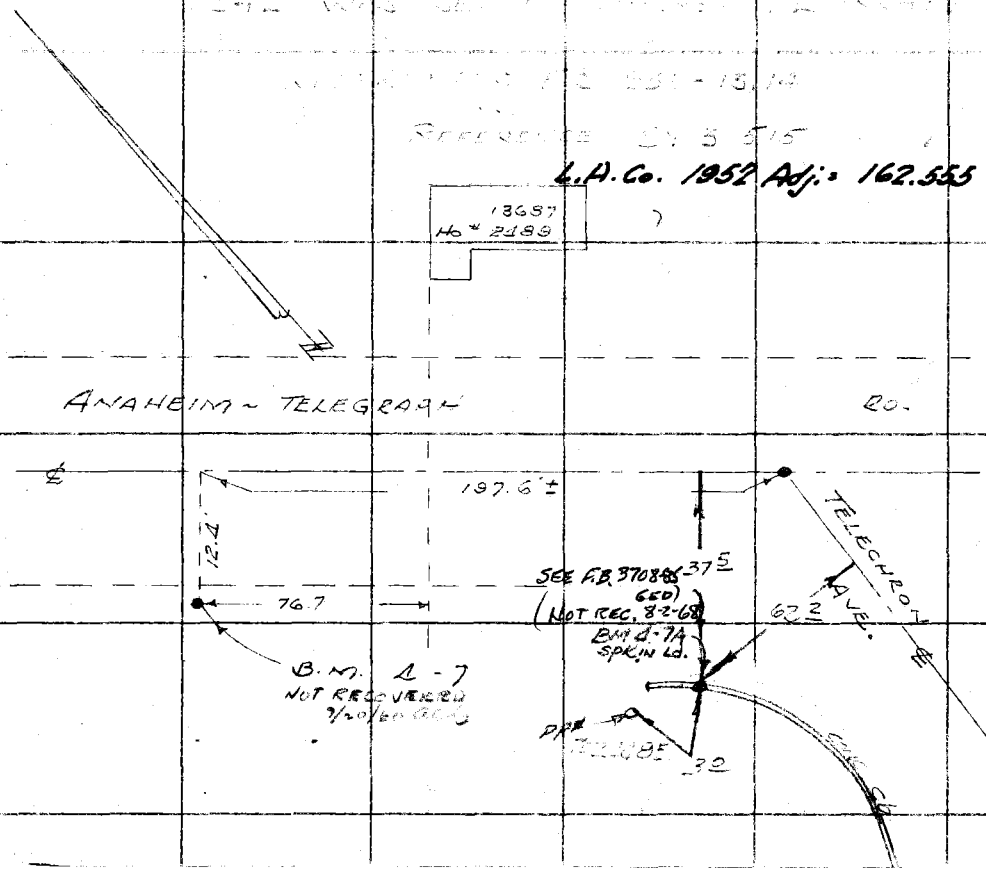
NOT RECOVERED 7/20/60 ACK

STATION MARK: A STANDARD 4 [illegible] BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM [illegible] H-8 R.E. 2177 SET BY COUNTY SURVEYOR 1242" WAS SET [illegible]

[illegible] 15.14

REFERENCE SY 5 515

L.A.Co. 1952 Adj.: 162.555



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

F. B. 1205 PG. 73

BM 4-8 (WHITTIER G-8) (SY 1170)

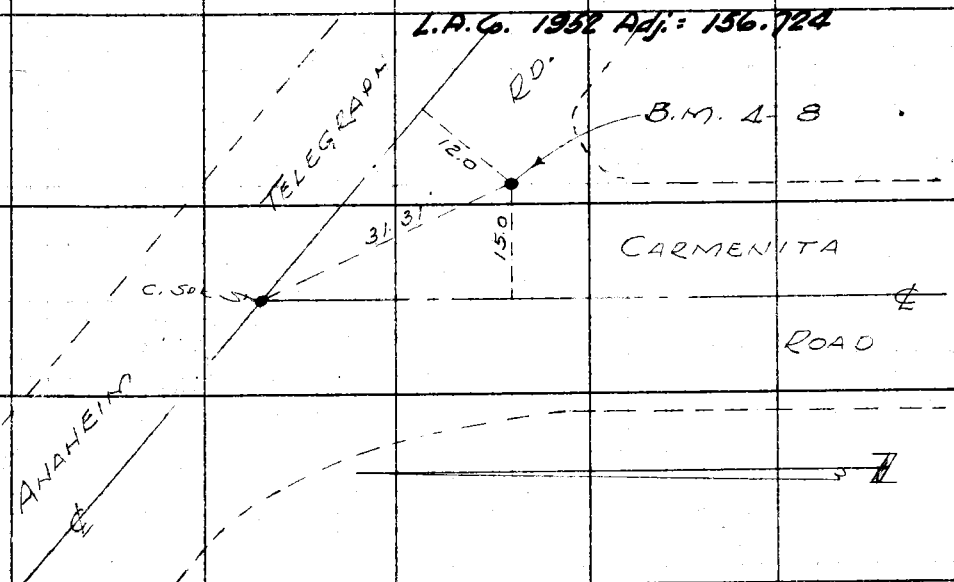
THIS STATION IS AT THE INTERSECTION OF ANAHEIM TELEGRAPH AND CARMENITA RD. IN THE VICINITY OF SANTA FE SPRINGS, [illegible] 15 FT. EASTERLY FROM THE APPROXIMATE CENTER LINE OF CARMENITA RD., 12 FT. SOUTHWESTERLY FROM THE APPROXIMATE CENTER LINE OF ANAHEIM TELEGRAPH ROAD, AND IN A [illegible] CUT THROUGH THE [illegible] 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 WHITTIER G-8 R.E. 2177 SET BY COUNTY SURVEYOR 1942," WAS SET IN CONCRETE 2 INCHES BELOW SUBGRADE OF STREET.

REFERENCE: F.B. 931-11, 12.

REFERENCE: SY 3.515 ✓

L.A.C. 1952 Adj.: 156.724



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RETURN TO
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726 LOS ANGELES COUNTY
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76F3095 247 10M 1-49

F. B. 1205 PG. 74

Not recovered 9/65 [illegible]

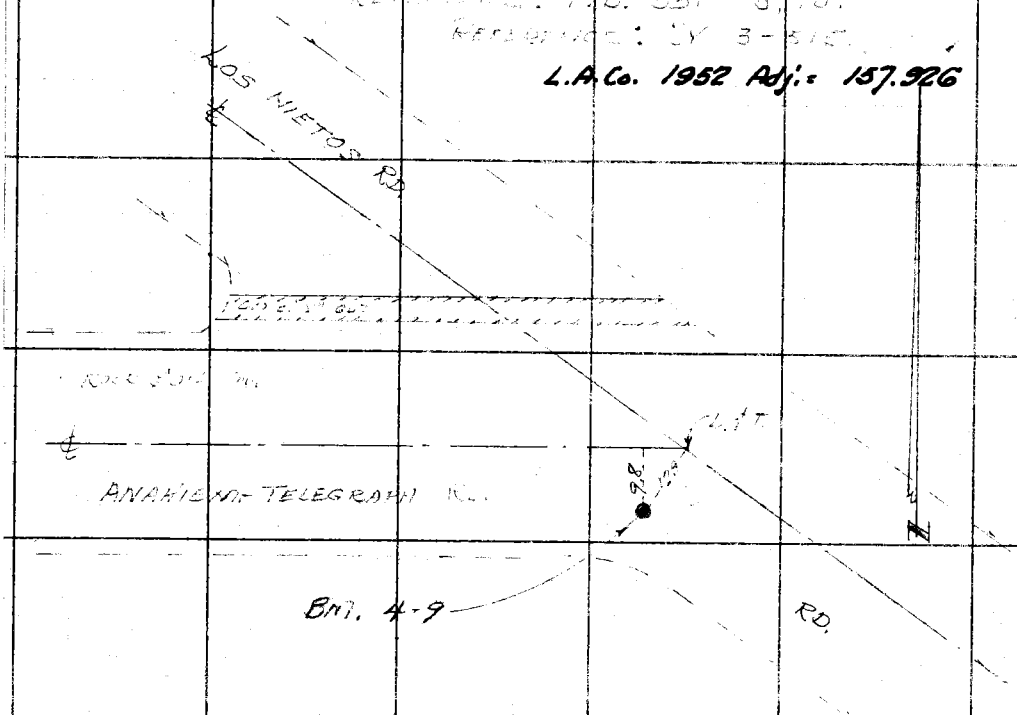
B M 4-9 (WHITTIER G-7) (SY 1171)

THIS STATION IS AT THE INTERSECTION OF LOS NIETOS AND ANAHEIM TELEGRAPH ROADS IN THE VICINITY OF SANTA FE SPRINGS, 13.0 FT. SOUTHWESTERLY FROM THE APPROXIMATE CENTER LINE OF LOS NIETOS RD., 10.7 FT SOUTHWESTERLY FROM THE CENTER LINE OF PAVEMENT OF ANAHEIM TELEGRAPH RD. PRODUCED EASTERLY, AND 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 WHITTIER G-7 R.E. 2177 SET BY COUNTY SURVEYOR 1942", WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF [illegible]

REFERENCE: F.B. 931 - 9, 10.
REFERENCE: SY 3-515.

L.A.Co. 1952 Adj.: 157.926



RETURN TO
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726 LOS ANGELES COUNTY
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Notes Ck'd by	Survey of PRECISE LEVEL NET	F. B. 1205 PG. 15
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by H. F. NAUMANN	
Checked	Notes H.F.N. Date AUG 51	
Date	Indexed A. C. Johnson	

OUT USE RM #1 & #2

~~B.M. 4-10~~ (WHITTIER F-7) (SY 1834)

THIS STATION IS AT THE INTERSECTION OF ANAHEIM-TELEGRAPH ROAD AND SHOEMAKER AVE., IN THE VICINTY OF SANTA FE SPRINGS, 11.9' FEET SOUTHERLY FROM THE CENTER LINE OF PAVEMENT ON ANAHEIM-TELEGRAPH ROAD, 7.3 FEET EASTERLY FROM THE CENTER LINE OF PAVEMENT ON SHOEMAKER AVE. AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

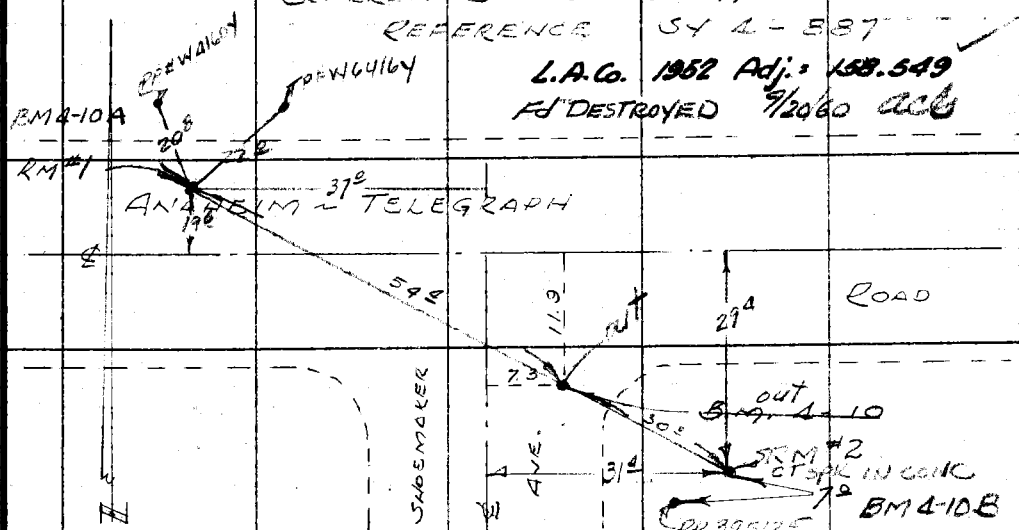
STATION MARK: A STANDARD 4" INCH BRASS TABLET INSCRIBED: "L.A COUNTY CONTROL SYSTEM TRAVERSE STATION WHITTIER F-7 R.E. 2177 SET BY COUNTY SURVEYOR 1942", WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF STREET.

REFERENCE F.B. 931-7, 8

REFERENCE SY 4-587

L.A.Co. 1952 Adj.: 158.549

Fd DESTROYED 9/20/60 acb



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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. 1205 PG. 76

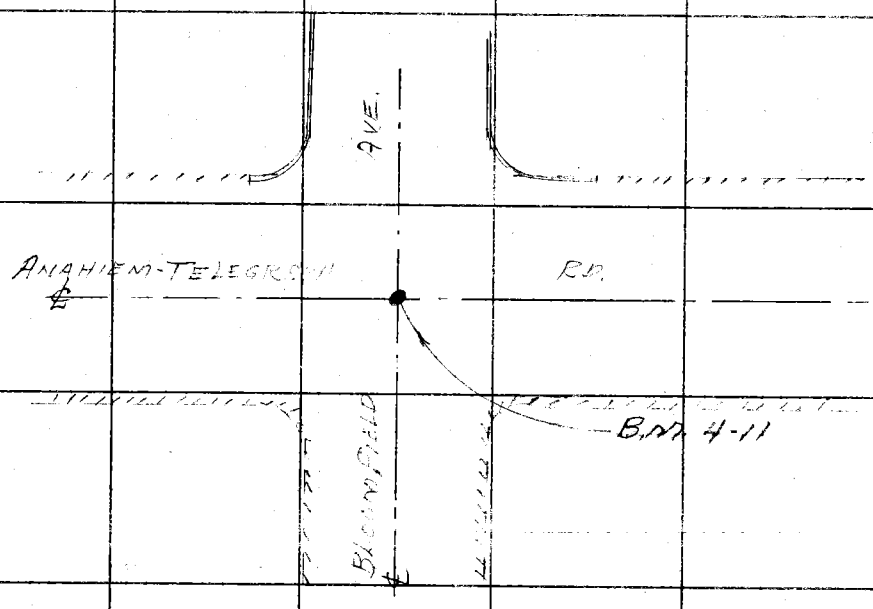
B.M. 4-11 (WHITTIER E-7A)

THIS STATION IS AT THE CENTRE LINE INTERSECTION OF ANAHEIM-TELEGRAPH ROAD AND BLOOMFIELD AVE., NEAR SANTA FE SPRINGS, AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT". THIS MONUMENT IS A REPLACEMENT OF A SPIKE AND WASHER, PER F.B. 766-92, F.B. 33-62, 216, F.B. 81-73, F.B. 382-71 AND F.B. 395-54, 99.

STATION MARK: A STANDARD 2 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION WHITTIER E-7A, R.E. 2177 SET BY COUNTY SURVEYOR 1941" WAS SET IN CONCRETE 2" INCHES BELOW THE SUBGRADE OF STREET.

REFERENCE F.B. 929-11, 12

L.A. Co. 1932 Adj.: 151.992



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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 1922 Tape No. St'd. °F
Office Work	Surveyed by H. F. NAUMANN
Checked	Notes G. E. DREIER Date AUG 51
Date	Indexed E. C. Johnson

F. B. 1205 PG. 17

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726 LOS ANGELES COUNTY
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B.M. 4-12 (WHITTIER B-7) (SY 1348)

THIS STATION IS AT THE CENTER LINE INTERSECTION OF ANAHEIM-TELEGRAPH ROAD, AND ~~WOODS~~ ALBURTIS AVE., IN THE VICINITY OF WHITTIER, AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

THIS MONUMENT IS A REPLACEMENT OF A COT SPIKE AND WASHER PER ROAD DEPT. F.B. F.T. 33-212.

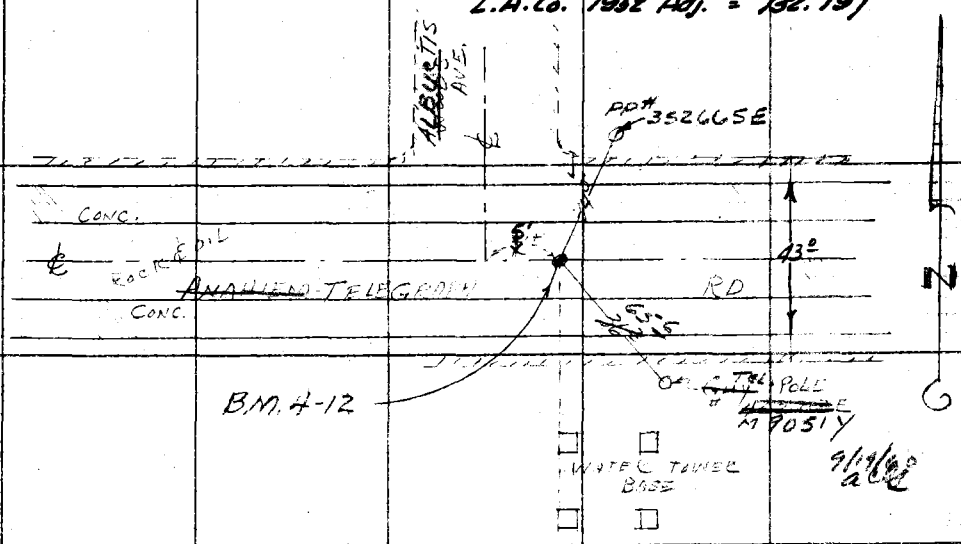
STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION WHITTIER B-7

R.E. 2177 SET BY COUNTY SURVEYOR "1941" WAS SET IN CONCRETE 2" BELOW THE SUBGRADE OF STREET.

REFERENCE F.B. 923-57, 58

REFERENCE SY 3-604

L.A.Co. 1952 Adj. = 132.197



9/19/62 ACE

76F3098 247 10M 1-49

F. B. 1205 PG. 18

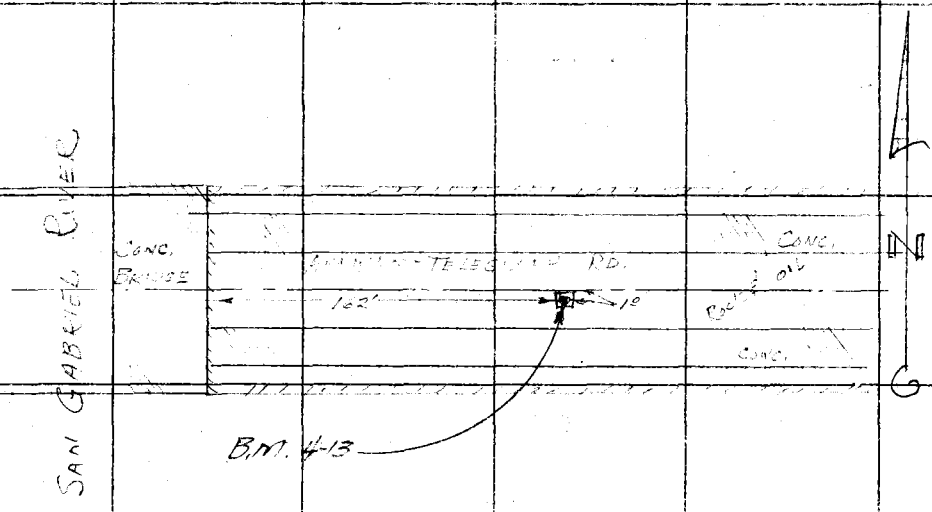
B.M. 4-13 (WHITTIER A-6A)

THIS STATION IS IN VICINITY OF SANTA FE SPRINGS. 1.0 FOOT SOUTHERLY FROM THE APPROXIMATE CENTER LINE OF ANAHEIM-TELEGRAPH ROAD, ABOUT 162. FEET EASTERLY FROM THE EAST END OF CONCRETE BRIDGE (No 53-213), OVER THE SAN GABRIEL RIVER, AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT"

STATION MARK: A STANDARD 1 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION WHITTIER A-6A" R.E. 2177 SET BY COUNTY SURVEYOR 1941, WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF STREET.

REFERENCE F. B. 928 - 55, 56

L.A.Co. 1952 Adj.: 140.565



RETURN TO
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Notes Ck'd by	Survey of PRECISE LEVELING NET	F. B. 1205 PG. 19
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by H. F. NAUMANN	
Checked	Notes G. E. DREIER Date AUG 51	
Date	Indexed A. C. JOHNSON	

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B.M. A-14 (WHITTIER A-5) (SY 1709)

THIS STATION IS IN VICINITY OF SANTA FE SPRINGS, AT THE INTERSECTION OF ANAHEIM-TELEGRAPH RD. AND TRUE AVE., AND IS THE P.I. OF TANGENTS TO A CURVE ON THE CENTER LINE OF ANAHEIM-TELEGRAPH ROAD., ABOUT 500 FEET WEST OF THE SAN GABRIEL RIVER, 6.8' FEET SOUTHEASTERY FROM THE CENTER LINE OF TRUE AVE., AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

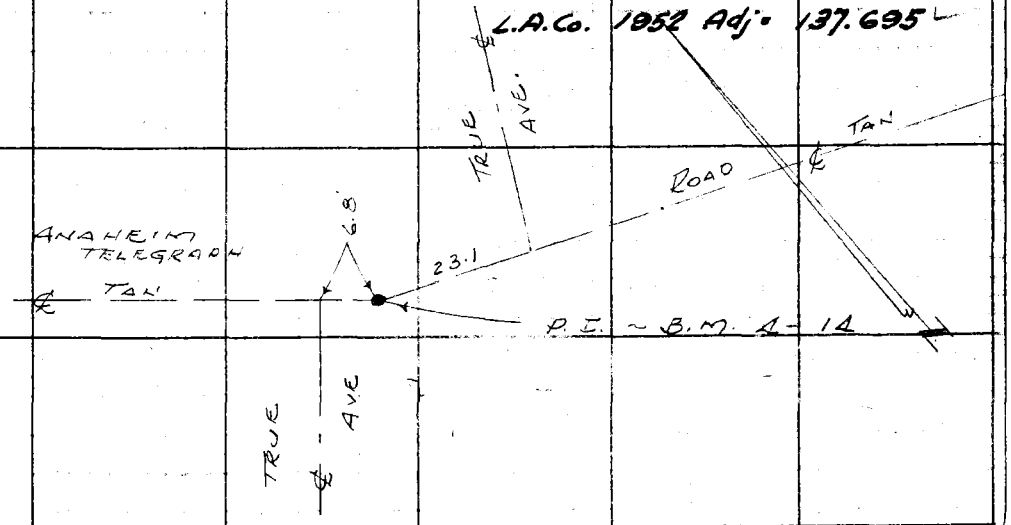
THIS MONUMENT IS A REPLACEMENT OF A CUT SPIKE AND WASHER AS PER F.B. 573-114

STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION WHITTIER A-6 R.E. 2177 SET BY COUNTY SURVEYOR 1911" WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF STREET

REF. 928-53, 54

SY 1709 REF SY 3-793

L.A.Co. 1952 Adj. 137.695



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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 10M 1-49

F. B. 1205 PG. 20

BM 4-15 (BELL L-6) (SY 1602)

THIS STATION IS AT THE CENTER LINE INTERSECTION OF ANAHEIM-TELEGRAPH RD AND PASSONS BLVD., IN THE VICINITY OF DOWNEY AND SANTA FE SPRINGS, AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT". THIS MONUMENT IS A REPLACEMENT OF A CUT SPIKE AND WASHER PER RD. DEPT. F.B. F.T. 33-205 AND F.B. F.A. 22-203.

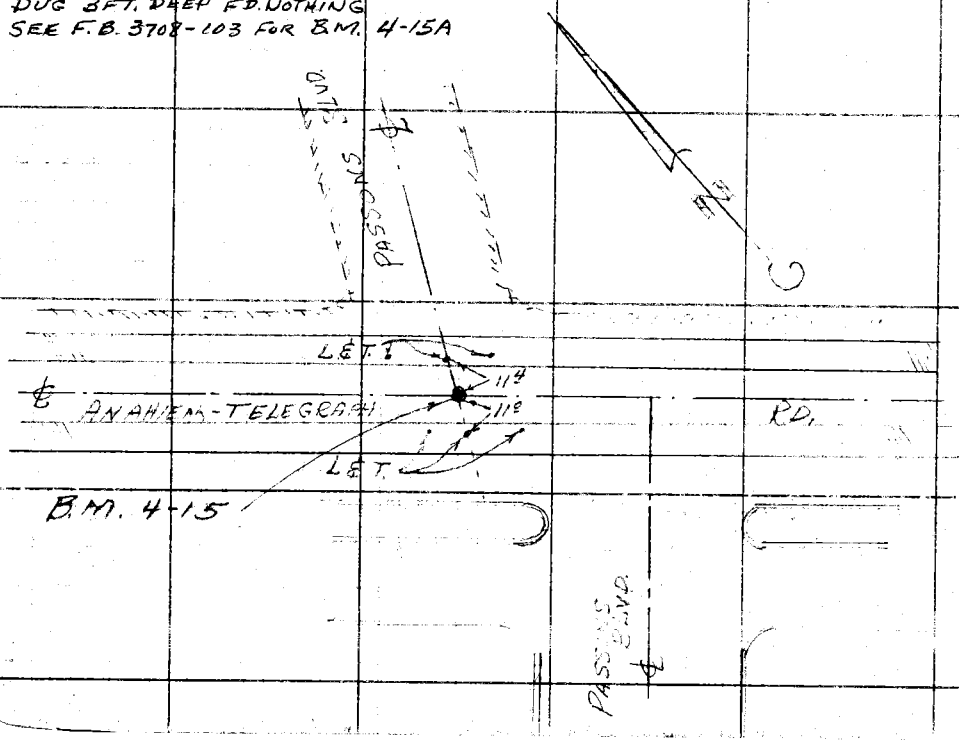
STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION BELL L-6 R.E. 2177 SET BY COUNTY SURVEYOR 1941", WAS SET IN CONCRETE 2 INCHES BELOW SUBGRADE OF STREET.

REFERENCE: F.B. 928-51, 52

REFERENCE F.B. SY 3-137.

L.A. Co. 1952 Adj: 140.274

8-5-68 G.E.D.
DUG 3FT. DEEP FD. NOTHING
SEE F.B. 3708-103 FOR B.M. 4-15A



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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of [illegible]	F. B. 1205 PG. 27
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by H. F. Naumann	
Checked	Notes G. E. Dreier Date Aug 51	
Date	Indexed A. C. Johnson	

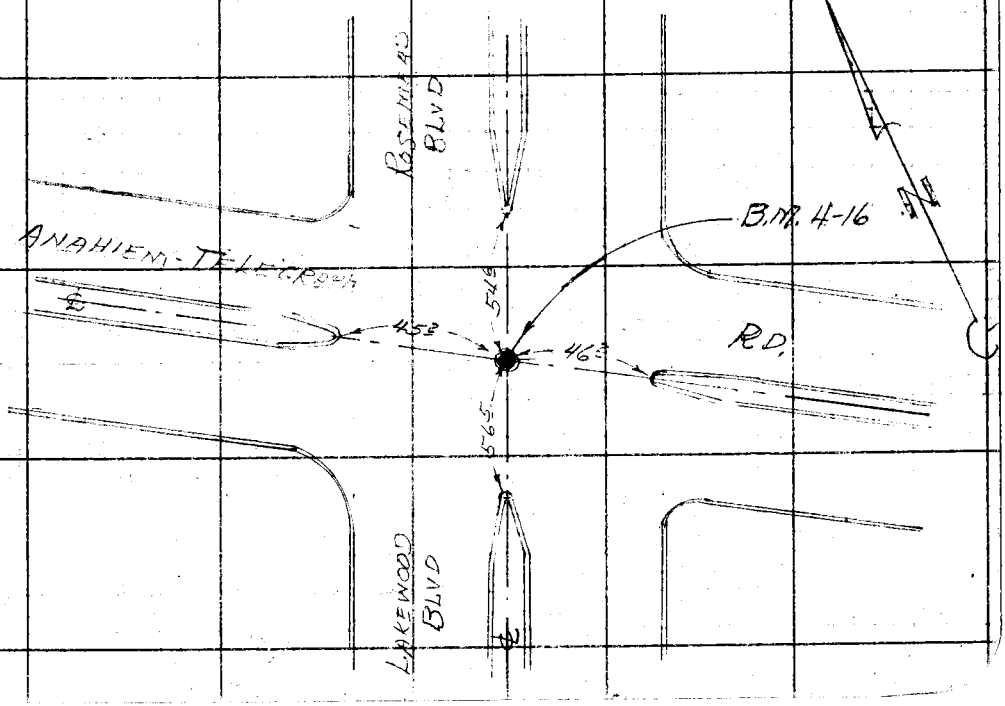
B.M. 4-16 (Bell K-5A)

This station is at the center line intersection of Anaheim Telegraph Rd. and Lakewood Blvd. in the vicinity of Downey, and in a well cut through the pavement and protected by a cast iron cover marked: "County Surveyor Monument." This monument is a replacement of a cut spike and washer, per Road Dept. F.A. 22-201, F.T. 33-206, and F.T. 36-454.

Station Mark: A standard 4 inch brass tablet inscribed: "L. A. County Survey Control System Traverse Station Bell K-5A R.E. 2177 Set by County Surveyor 1941" was set in concrete 2 inches below the subgrade of street

REFERENCE: F.B. 928-49 50

L.A.Co. 1952 Adj. = 138.066



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

76F309S 247 10M 1-49

F. B. 1205 PG. 22

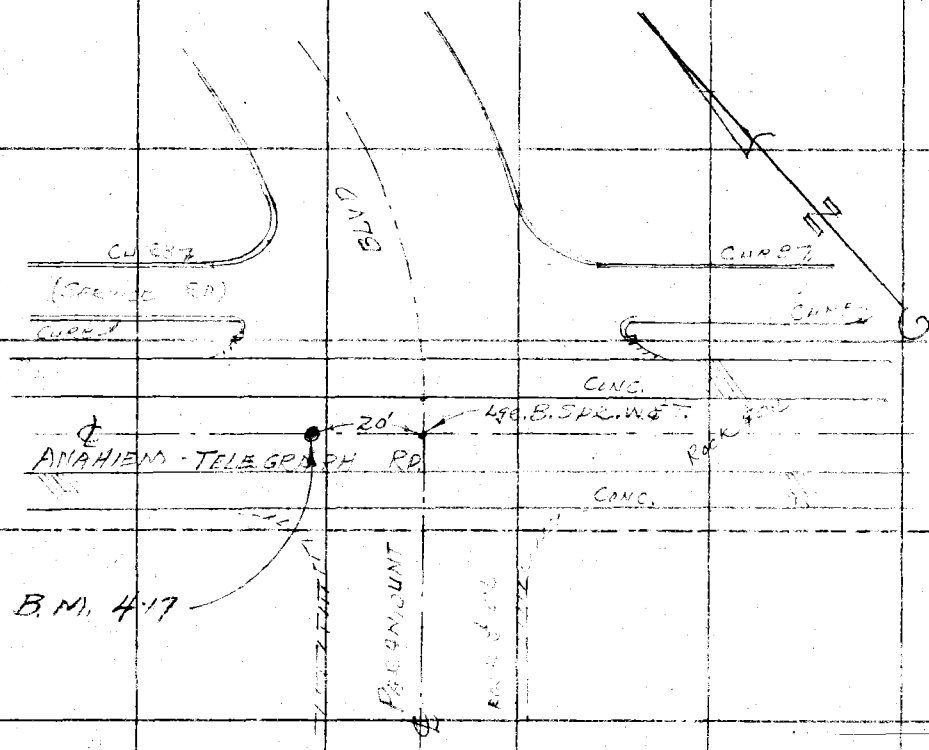
B.M. 4-17 (Bell K-9) Near

This station is ~~at~~ the center line intersection of Anaheim-Telegraph and ~~Downey~~ Paramount Roads in the vicinity of Downey, and in a well cut through the pavement and protected by a cast iron cover marked: "County Surveyor Monument." This monument is a replacement of a nail spike and washer per Road Dept. F.A.22-199.

Station Mark: A standard 4 inch brass tablet inscribed: "L.A. County Survey Control System Reference Station Bell K-9 R.E. 2177 Set by County Surveyor 1941," was set in concrete 2 inches below the subgrade of street.

REFERENCE: F.B. 928-45, 46.

L.A. Co. 1952 Adj. = 142.240



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

Do not extend notes this side of this line.

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

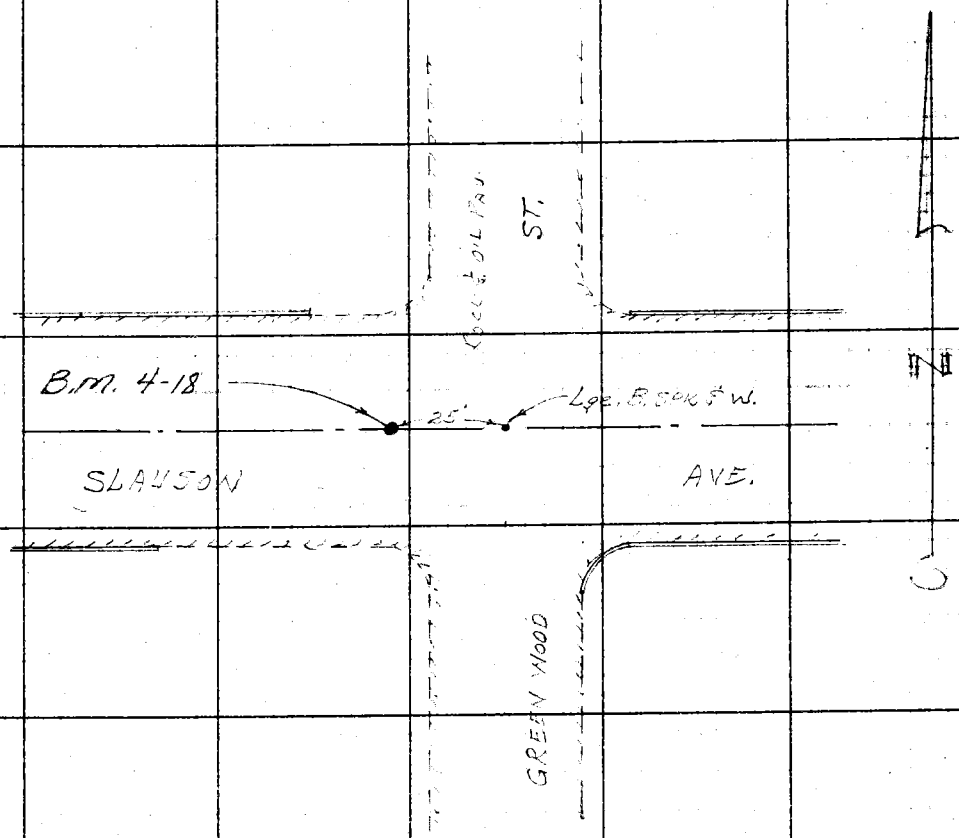
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. E. NEUMANN
Checked	Notes DREIER Date 8-17-51
Date	Indexed A. C. Johnson

F. B. 1205 PG. 23

B.M. 4-18 (SY 1567)

L.A. Co. RD. DEPT. MON. IN HAND HOLE
POSSIBLE ℄ INT. SLAUSON AVE. & GREENWOOD ST.

REFERENCE SY 3-724
L.A. Co. 1952 Adj. = 158.337



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309B 247 10M 1-49

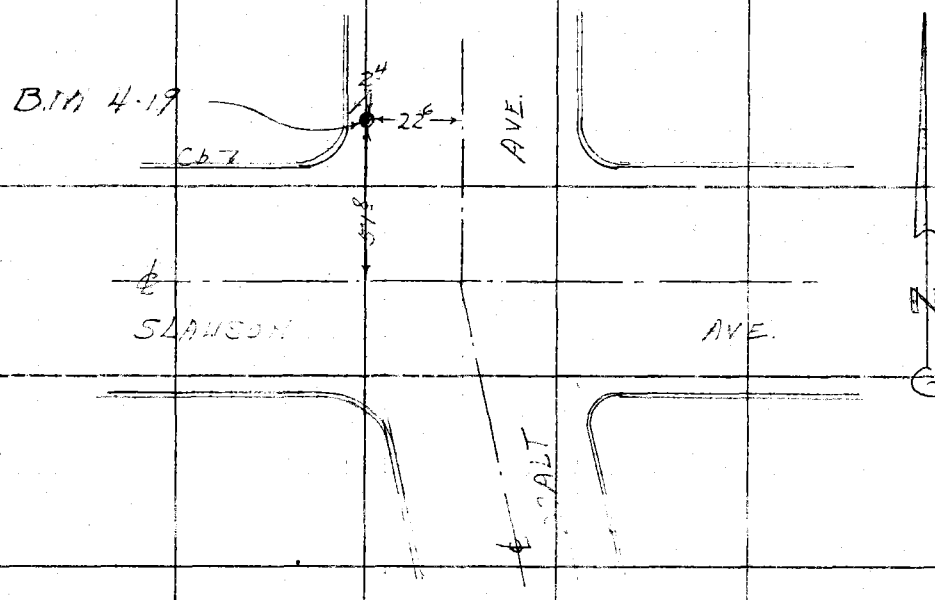
F. B. 1205 PG. 24

B.M. 4-19

SLAUSON AVE. AND MALT AVE.,
A STANDARD COUNTY SURVEYOR MONUMENT
R.E. 329, MARKED: "B.M. 4-19. 1951" SET IN
CONCRETE, 12 INCHES BELOW THE SURFACE,
518 FT. NORTH OF THE INTERSECTION OF SLAUSON
AVE. AND MALT AVE., AND 22.6 FT. WEST OF THE ℄
OF MALT AVE., IN A WELL CUT THROUGH THE
PAVEMENT AND PROTECTED BY A CAST IRON
COVER MARKED: "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. = 143.247

NOT RECOVERED 8-2-68 G.E.D.
LOCATION FALLS UNDER CONC. APRON OF STORM DRAIN CATCH BASIN
SET B.M. 4-19A - F.B. 3708-113 & B.M. 4-19B, F.B. 3708-114



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

Do not extend notes this side of this line.

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

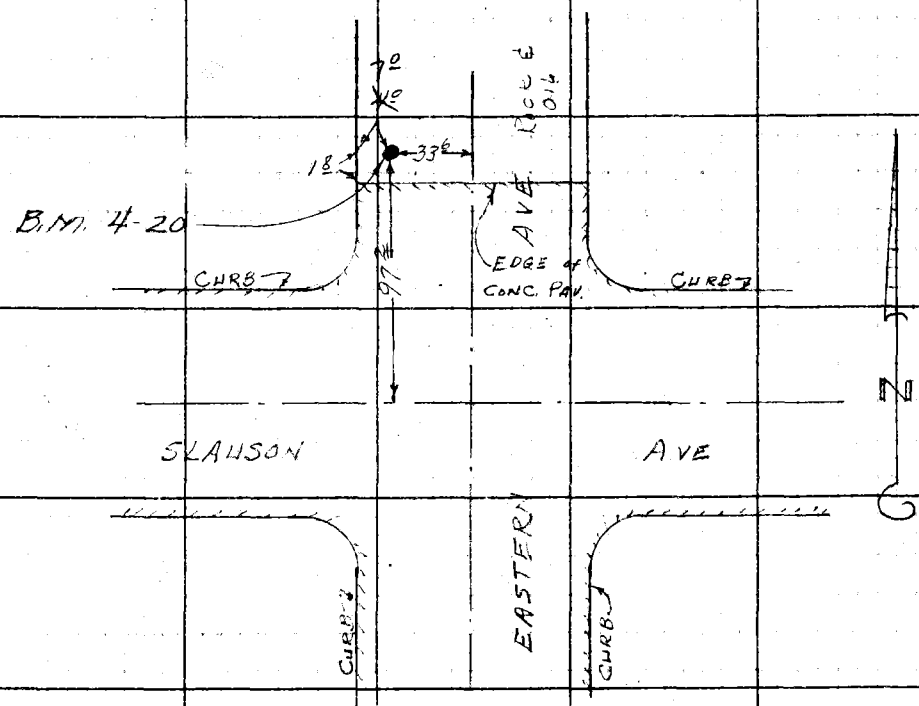
Notes Ck'd by	Survey of PRECISE LEVELING
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H. F. NAUMANN
Checked	Notes DREIER Date 8-16-51
Date	Indexed H. C. JOHNSON

F. B. 1205 Pg. 25

B.M. 4-20

SLAUSON AVE. AND EASTERN AVE.
A STANDARD COUNTY SURVEYOR MONUMENT - R.E. 329 MARKED - "B.M. 4-20 1951" SET IN CONCRETE 12 INCHES BELOW SURFACE 97.2 FT NORTH OF THE ℄ INTERSECTION OF SLAUSON AVE. & EASTERN AVE., AND 33.6 FT. WEST OF THE ℄ OF EASTERN AVE., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj: 134.381



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

76F3098 247 10M 1-49

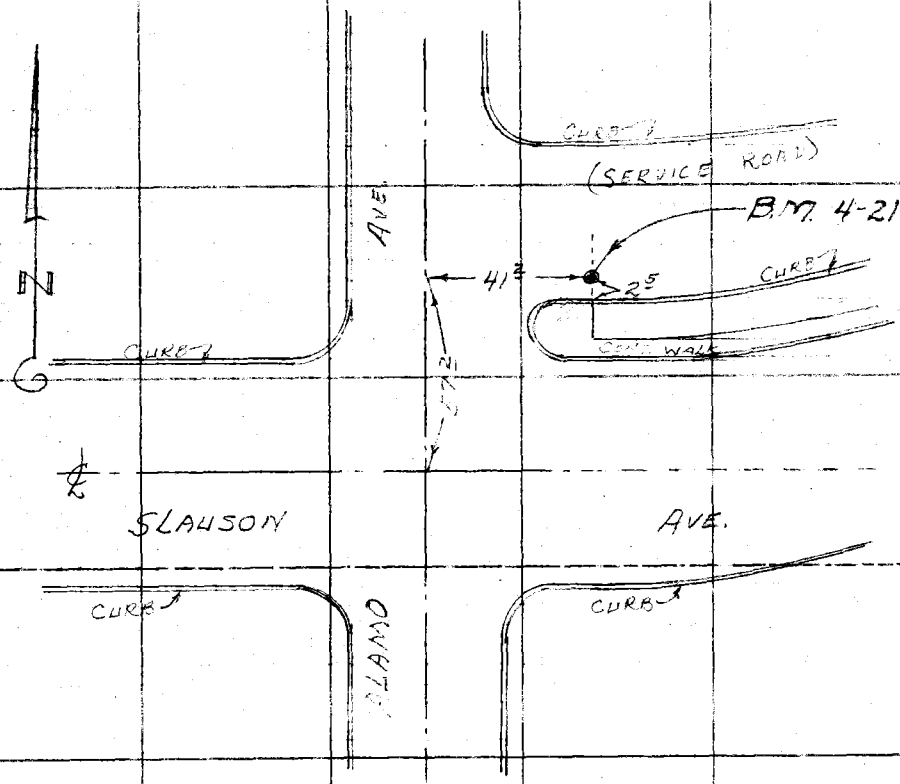
F. B. 1205 PG. 26

B.M. 4-21

SLAUSON AVE. AND ALAMO AVE.

A STANDARD COUNTY SURVEYOR MONUMENT R.E. 329 MARKED: "B.M. 4-21 1951" SET IN CONCRETE 12 INCHES BELOW SURFACE, 57.2 FT. NORTH OF THE ℄ OF SLAUSON AVE., AND 41.2 FT. EAST OF THE ℄ OF ALAMO AVE., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. = 140.125



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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of PRECISE LEVEL NET	F. B. 1205 PG. 27
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by H.F. NAUMANN	
Checked	Notes G.E. DREIER Date AUG 51	
Date	Indexed A. C. Johnson	

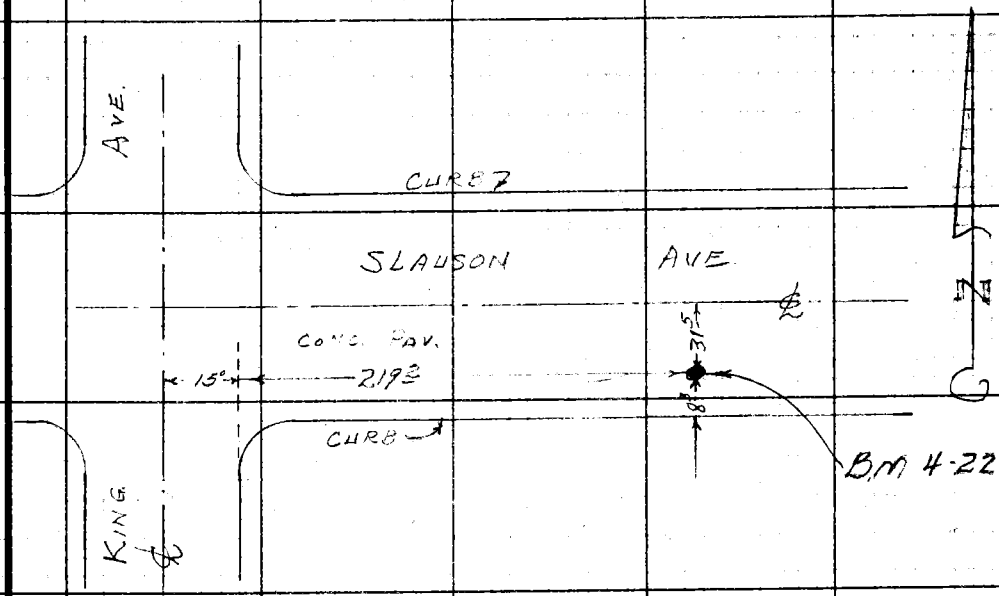
BM 4-22 (BELL B-2)

THIS STATION IS IN THE CITY OF MAYWOOD, ON SLAUSON AVE., 219.2 FT EASTERLY FROM THE EAST CURB LINE OF KING AVE., AND 8.3 FT NORTHERLY FROM THE SOUTH CURB OF SLAUSON AVE., IN A WELL CUT THROUGH 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 TRIANGULATION STATION BELL B-2 R.E. 2177 SET BY COUNTY SURVEYOR 1937," WAS SET IN CONCRETE 10 INCHES BELOW THE PAVEMENT SURFACE.

REFERENCE: F.B. 625-237, 238.

L.A.Co. 1952 Adj. = 145.990



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

76F3098 247 10M 1-49

F. B. 1205 PG. 28

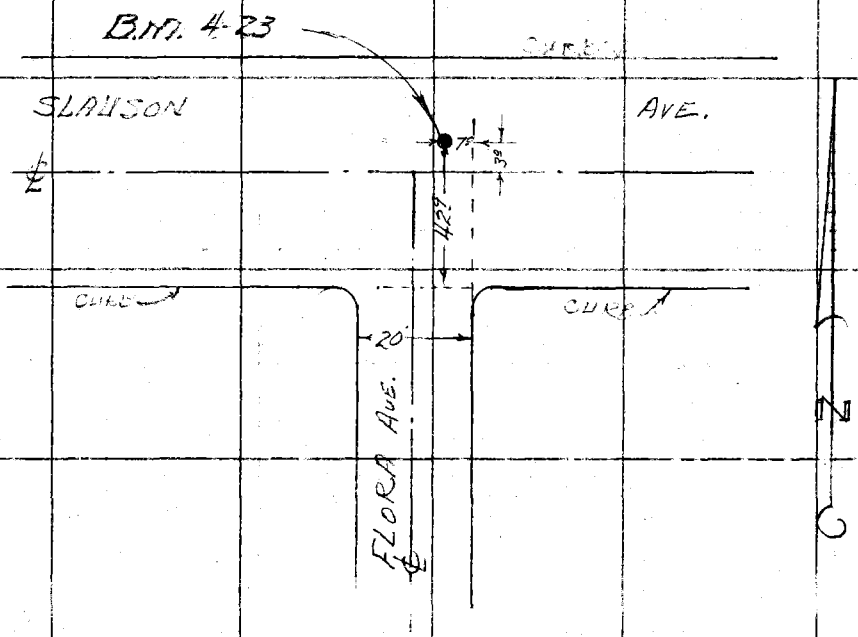
B.M 4-23 (BELL B-2A)

THIS STATION IS IN THE CITY OF MAYWOOD, AT SLAUSON AND FLORA AVES., 42.9 FT. NORTHERLY FROM THE SOUTH CURB LINE OF SLAUSON AVE. PRODUCED EASTERLY AND 7.0 FT WESTERLY FROM THE EAST CURB LINE OF FLORA AVE. PRODUCED NORTHERLY, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT".

STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED "L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION BELL B-2A R.E. 4233 SET BY CITY OF HUNTINGTON PARK 1938", WAS SET IN CONCRETE 2 INCHES BELOW SUBGRADE OF STREET.

DESCRIPTION: [illegible]

L.A. Co. 1952 Adj.: 151.177



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

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

Notes Ck'd by	Survey of PRIMARY LEVEL NET	F. B. 1205 PG. 79
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by H.F. NAUMANN	
Checked	Notes DREIER Date AUG 51	
Date	Indexed H. C. Johnson	

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

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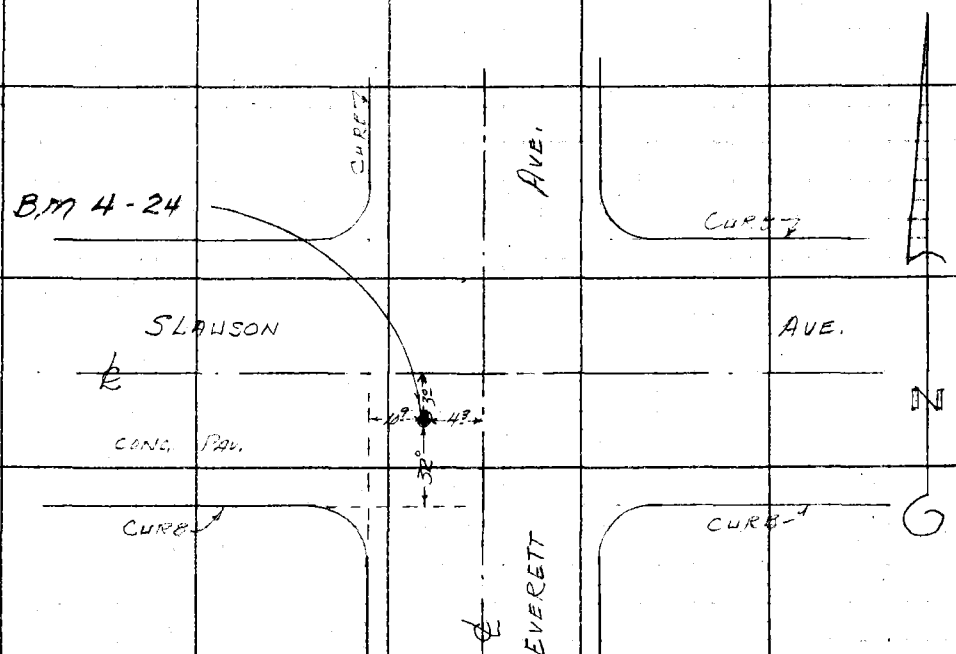
B.M. 4-24 (WATTS L-2B)

THIS STATION IS AT SLAUSON AND EVERETT AVES., IN THE CITY OF MAYWOOD, 32.0 FT. NORTHERLY FROM THE SOUTH CURB LINE OF SLAUSON AVE PRODUCED WESTERLY, AND 10.9 FT EASTERLY FROM THE WEST CURB LINE OF EVERETT AVE. PRODUCED NORTHERLY, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT".

STATION MARK: A STANDARD 4 INCH BRASS TABLET, INSCRIBED "L.A. CO. SURVEY CONTROL SYSTEM TRAVERSE STATION WATTS L 2B R.E. 4238 SET BY CITY OF HUNTINGTON PARK 1935" WAS SET IN CONCRETE, 2 INCHES BELOW SUBGRADE OF STREET.

L.A. Co. 1952 Adj. = 162.523



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

76F3098 247 10M 1-49

F. B. 1205 PG. 30

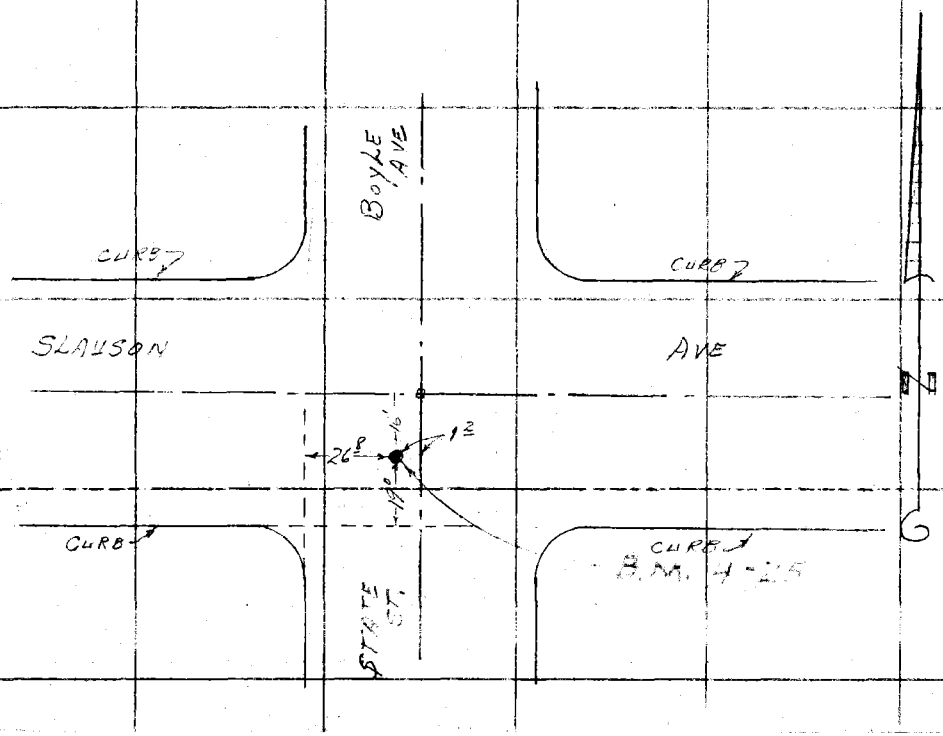
B.M 4-25 (WATTS K-2A)

THIS STATION IS AT SLAUSON AVE. AND STATE ST., IN THE CITY OF HUNTINGTON PARK, 19.0 FT. NORTERLY FROM THE SOUTH CURB LINE OF SLAUSON AVE. PRODUCED WESTERLY AND 26.8 FT. EASTERLY FROM THE WEST CURB LINE OF STATE ST. PRODUCED NORTHERLY, IN A WELL CUT THROUGH 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 WATTS K-2A K.E 4233" WAS SET IN CONCRETE 8 INCHES BELOW SUBGRADE OF STREET.

REFERENCE: F.B. 795-1 DET.

L.A.Co. 1952 Adj: 165.507



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

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

Notes Ck'd by	Survey of Precise Levels
Map No.	W. O. 4523 Tape No. St'd. °F
Office Work	Surveyed by H. F. Naumann
Checked	Notes Dreier Date Aug 51
Date	Indexed A. C. Johnson

F. B. 1205 PG. 31

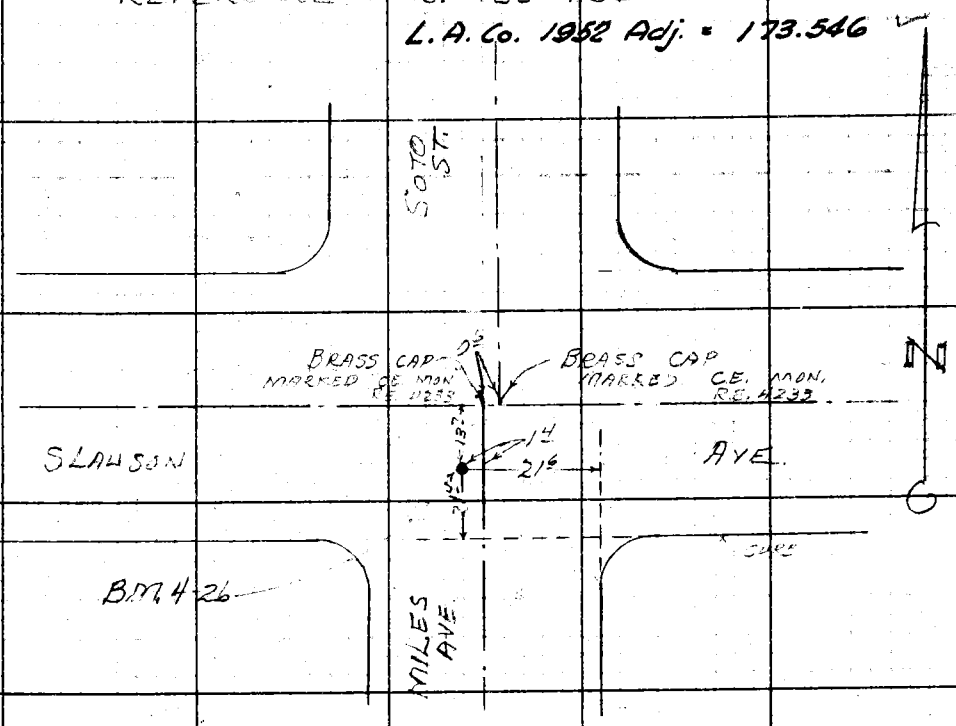
B.M 4-26 (WATTS J-2E)

THIS STATION IS AT SLAUSON AVE AND SOTO BLVD. (MILES AVE) IN THE CITY OF HUNTINGTON PARK, 21.6 FT WESTERLY FROM THE EAST CURB LINE OF MILES AVE PRODUCED NORTHERLY AND 21.4 FT NORTHERLY FROM THE SOUTH CURB LINE OF SLAUSON AVE. 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 WATTS J-2E R.E. 4233, SET BY CITY OF HUNTINGTON PARK 1938," WAS SET IN CONCRETE 2 INCHES BELOW THE SUBGRADE OF STREET.

REFERENCE F.B. 796-104

L.A. Co. 1952 Adj. = 173.546



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3088 247 10M 1-49

F. B. 1205 PG. 32

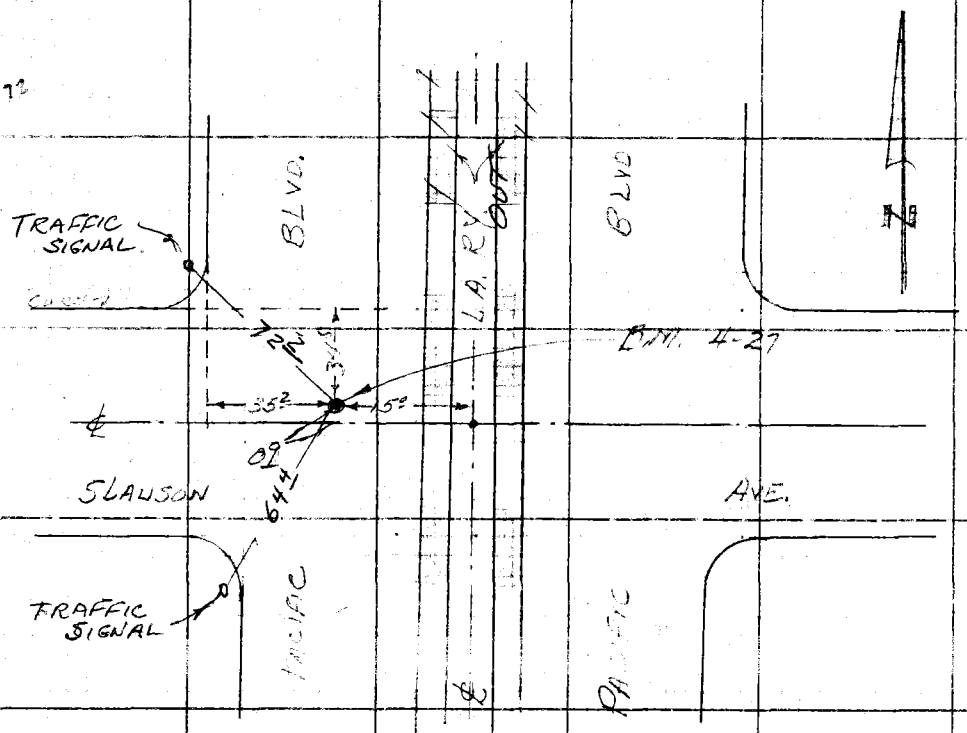
B.M 4-27 (WATTS J-28)

THIS STATION IS AT SLAUSON AVE. AND PACIFIC BLVD. IN THE CITY OF HUNTINGTON PARK, 34.9 FT. SOUTHERLY FROM THE NORTH CURB LINE OF SLAUSON AVE. PRODUCED EASTERLY AND 55.2 FT EASTERLY FROM THE WEST CURB LINE OF PACIFIC BLVD. (WEST OF THE LOS ANGELES RAILWAY) PRODUCED SOUTHERLY, 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 WATTS J-28 R.E. 4283, SET BY CITY OF HUNTINGTON PARK 1938, WAS SET IN CONCRETE, 2 INCHES BELOW SUBGRADE OF STREET.

[illegible] 186-80.

L.A.Co. 1952 Adj: 177.225



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

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Notes Ck'd by	Survey of PRECISE LEVELING
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H.F. NAUMANN
Checked	Notes H.F.N. Date AUG 51
Date	Indexed C. JOHNSON

F. B. 1205 PG. 33

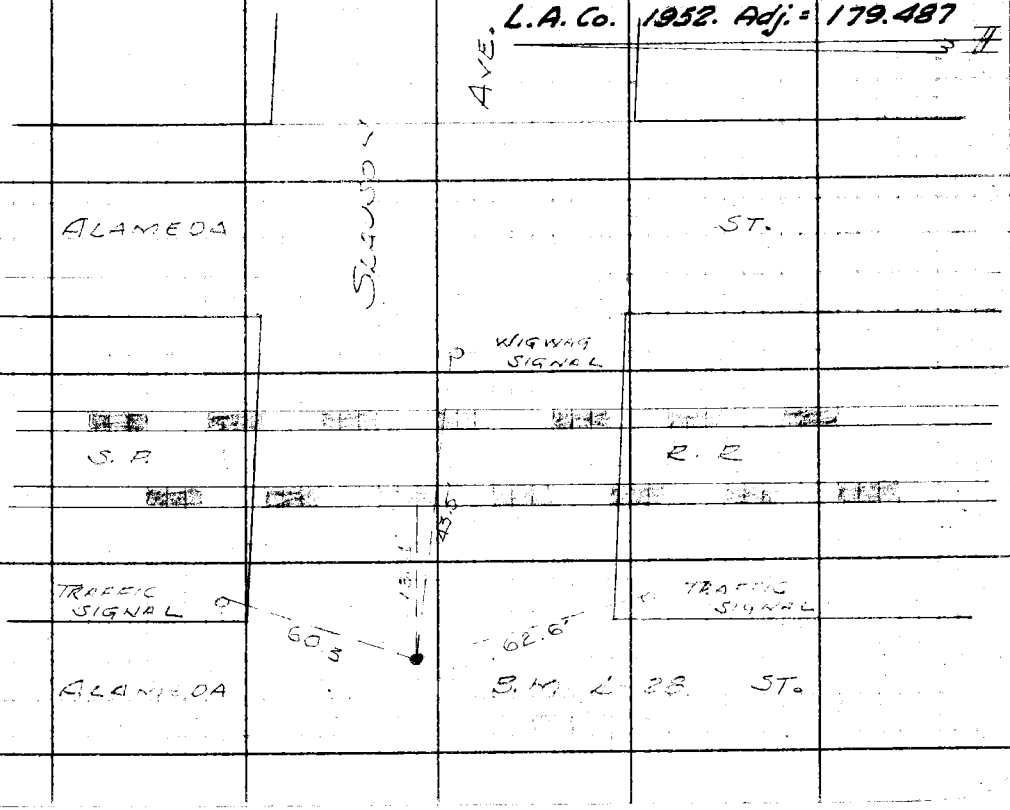
B.M 4-28 (U.S. 4077) (WATTS H-2A) (LAC)

AT LOS ANGELES, L.A. CO, AT THE INTERSECTION OF ALAMEDA ST. & SLAUSON AVE. AT THE CENTER LINE OF SLAUSON AVE, ABOUT 14 FT W OF THE ℄ OF THE W TRACK OF THE So. PACIFIC CO. RR, AND 1 FT W OF THE LINE OF THE W CURB OF THE PKWAY PARALLELING THE TRACKS.

A L.A. CO. SURVEY CONTROL SYSTEM STANDARD DISK, SET BY CITY OF HUNTINGTON PARK STAMPED "WATTS 4 2 A 1939 RE 4238" AND SET IN THE TOP OF A CONCRETE POST ABOUT 1 FT UNDER GROUND, ACCESS TO WHICH IS HAD THROUGH A PIPE WITH A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT".

REFERENCE F.B. 196-115

L.A. Co. 1952. Adj. = 179.487



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309B 247 10M 1-49

RETURN TO
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726 LOS ANGELES COUNTY
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F. B. 1205 PG. 32

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN 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 10:30-10:55 AM Rod No. [illegible]

Name L.A. Co. Precise Lev. [illegible]
Job No. 49[illegible]
From BM 3-16 To [illegible]
Date 8-30-51
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
1.	5956 5311 4668 15935	5.312	645 643 1288	128.8	#7 70°	[illegible] 5[illegible] 4[illegible] 16495	5.491	650 650 1300	130.0	BM 3-16 SEE F.B. 1204-20 FOR DESCRIPTION
2.	[illegible] [illegible] [illegible] 7539	2.513	753 753 1506	279.4		7773 [illegible] [illegible] 19285	6.428	744 746 1[illegible]	279.0	⊼ G.E. DREIER
3.	4137 3493 2848 10480	3.493	646 645 1291	408.5		6611 5962 5312 17885	5.962	649 650 1299	408.9	SUMMATION OF [illegible] BM 3-16 TO BM [illegible]
4.	4157 3511 2868 10536	3.512	646 643 1289	537.4		6013 5[illegible] 4722 16104	5.368	644 647 1291	538.0	TOTAL BACKSIGHTS + [illegible]0.352 " FORESIGHTS − [illegible]9.732 DIFF. IN ELEVATION − [illegible]38[illegible]
5.	6153 55[illegible] 4[illegible] 16566	5.522	631 631 1262	663.6	70°	7117 6483 5850 19450	6.483	634 633 1267	664.7	BM 4-1 (LAHABRA [illegible]) SEE F.B. 1205-6 FOR DESCRIPTION
		20.352					29.732			

F.B. [illegible] 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:50-11:15 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 4-1 To BM 3-[illegible]
Date 8-30-51
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	7148 6515 5882 19545	6.515	633 633 1266	1266	#7 70°	6188 5556 4922 16666	5.555	632 634 1266	1266	BM 4-1 (LA HABRA B-9) SEE F.B. 1205-6 FOR DESCRIPTION
2	6471 5822 5172 17465	5.822	649 650 1299	2565		4602 3961 3320 11882	3.961	641 641 1282	2548	⊼ G.E. DREIER
3	6726 6079 5431 18236	6.079	648 648 1295	3820		4252 3608 2961 10821	3.607	644 647 1291	3839	SUMMATION OF RUN BM 4-1 TO BM 3-16
4	7344 6603 5862 17809	6.603	741 741 1482	5343		3445 2689 1935 8067	2.689	754 754 1508	5347	TOTAL BACKSIGHTS + 30.56[illegible] " FORESIGHTS − 21.18[illegible] DIFF IN ELEVATION + 9.38[illegible]
5	6198 5546 4893 16637	5.546	652 653 1305	6648	73°	6080 5369 4728 16107	5.369	641 641 1282	6629	BM 3-16 SEE F.B. 1204-20 FOR DESCRIPTION
		30.565					21.181			

F.B. 1205 PG. 36

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:20-1:30 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEV. [illegible]
Job No. 4922
From BM 4-1 To B 1 4-2
Date 8-30-51
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.	3819 3173 5528 [illegible]	3.173	646 645 [illegible]	169.1	#7 73°	7500 7850 [illegible] [illegible]	7.850	650 650 1300	130.0	BM 4-1 (LA HABR [illegible]) SEE F.B. 1205-[illegible] FOR DESCRIPTION
2.	[illegible] [illegible] [illegible] [illegible]	[illegible]	641 641 1282	2573		6881 [illegible] 553[illegible] 18554	6.185	647 643 [illegible]	259.2	[illegible] G.E. DRESSER
3.	[illegible] [illegible] [illegible] [illegible]	[illegible]	650 651 [illegible]	[illegible]874		6[illegible] 6[illegible] 54[illegible] [illegible]	[illegible]	64[illegible] 648 [illegible]	[illegible]887	
4.	4200 [illegible] [illegible] 10650	3.550	650 [illegible] 1300	5174		67[illegible] [illegible] [illegible] 18240	6.080	647 649 1298	518.5	
5.	5339 4693 4050 14082	4.694	646 643 1289	6463		6618 5969 5320 17907	5.969	649 649 1298	648.3	
		18.258					32.194			

F.B. 1205 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. E. Na[illegible] Weather CLOUD Inst. No. 50010
Notes by S. SHINODA Time 11:20-1:30 [illegible] Rod No. 7 [illegible]

Name LA Co Precise Lev[illegible]
Job No. 4[illegible]3
From BM 4-1 To BM 4-[illegible]
Date 8-30-51
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.	5150 4502 3853 13505	18.25[illegible] 4.502	648 649 1297	646.3 7760		6227 5577 4926 16730	3[illegible]194 [illegible]77	650 651 1301	648.3 7784	
7.	4644 4004 3359 12012	4.004	645 645 1290	9050	[illegible]	6171 5527 4881 16579	5.526	644 646 1290	3074	1 HOUR FOR LUNCH
8.	4490 3841 3189 11520	3.840	649 652 1301	10351	[illegible]	6751 6110 5463 18332	6.111	649 647 1296	10370	
9.	3617 2965 2311 8895	2.965	654 654 1308	11659		7193 6551 5909 19653	6.551	642 642 1284	11654	
10.	5059 4393 3747 13179	4.393	646 646 1292	12951		5901 5252 4603 15756	[illegible]	649 649 1298	12952	
		37.962					61.211			

F.B. 1205 PG. 38

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. [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHIMODA Time 11:20-1:30 PM Rod No. 7 E 3

Name L.A. Co. PRECISE LEVELLET
Job No. 4923
From BM 4-1 To BM 4-2
Date 8-30-51
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	5149	37.962 ✓	810	1295.1 ✓		7999	61.211 ✓	851	1295.2 ✓	B.M 4-2 (LA [illegible] A-9)
	4339		807			7148		850		SEE F.B. [illegible]
	3532		1617 ✓			6298		1701 ✓		FOR DESCRIPTION
	13020	4340 ✓		14568	74°	21445	7148 ✓		14653 ✓	
										SUMMATION OF [illegible] BM 4-1 TO B.M. [illegible]
										TOTAL BACKSIGHTS + [illegible] ✓
										" FORESIGHTS − [illegible] ✓
										DIFF. IN ELEVATION − [illegible]6.057 ✓
		42302 ✓					68359 ✓			

F.B. [illegible] PG. 39

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

Name L.A.Co. PRECISE LEVEL NE
Job No. 4923
From BM To BM
Date 8-30-51
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. 120 PG. 40

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 1:30-2:30 P.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 4-2 To B 1 4-1
Date 8-30-51
Indexed R. C. Jobbe

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.	8041 7211 6381 21633	7211	830 830 1660	1660	#7 74°	5228 4402 3575 13205	4402	826 827 1653	1653	B.M. 4-2 (LA HABR-1-9) SEE F.B. 1205-1 FOR DESCRIPTION
2	5905 5255 4605 15765	5255	650 650 1300	2960		5041 4394 3747 13182	4394	647 647 1294	2947	⊼ G.E. DREIER
3	6998 6348 5699 19045	6348	650 649 1299	4259		3413 2766 2118 8297	2766	647 648 1295	4242	
4	6758 6108 5460 18326	6109	650 648 1298	5557		4491 3842 3191 11524	3841	649 651 1300	5542	
5	6099 5454 4810 16363	5454	645 644 1289	6846		4582 3935 3287 11804	3935	647 648 1295	6837	
		30377					19338			

F.B. [illegible] PG. 41

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. [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:30 [illegible] Rod No. 7 E B

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-2 To BM 4-[illegible]
Date 8-30-51
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	6237 5587 4939 16767	30.377 5.587	650 650 1300	6816 8126		5163 4511 3863 13534	19[illegible] 4[illegible]	649 648 1297	6837 8134	
7	6373 5727 5078 17178	5.726	646 649 1295	9441		5100 4454 3809 13363	4[illegible]54	646 645 1291	9425	
8	6672 6025 5378 18075	6.025	647 647 1294	10735		4141 3490 2841 10472	3[illegible]	651 649 1300	10725	
9	6579 5951 5302 17852	5.951	648 649 1297	12032		4020 3369 2718 10107	3[illegible]69	651 651 1302	12027	
10	6786 6137 5489 18412	6.137	649 648 1297	13329		3903 3263 2621 9787	3[illegible]62	640 641 1282	13309	
		59.805					38.425			

F.B. 1205 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:30 P.M. Rod No. 7 F B

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 4-2 To BM 4-1
Date 8-30-51
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.	8570 7720 7260 23759	59.805 7.920	650 651 1301	13329 14630	76°	3890 3247 2601 [illegible]8	38.425 3.246	643 646 1289	13309 14598	BM 4-1 (LANDER B-4) SEE F.B. 1205-[illegible] FOR DESCRIPTION
										SUMMATION [illegible] BM 4-2 TO BM 4-1
										TOTAL BACKSIGHTS + 67.725 " FORESIGHTS + 41.671 DIFF IN ELEVATION + 26.054
		67.725					41.671			

F.B. 1205 PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party..... 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. 2035 PG. 44										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN 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 2:45 - 3:45 PM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 49[illegible]
From BM 4-2 To BM 1-3
Date 8-30-51
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
1	6146 5493 4840 16479	5.493	653 653 1306	1306	#7 76°	6976 6328 5679 18983	6.328	648 649 1297	1297	B.M. 4-2 (LA [illegible] SEE F.B. 1205 FOR DESCRIPTION
2	4879 4230 3581 12690	4.230	649 649 1298	2604		6563 5918 5272 17753	5.918	645 646 1291	2588	TO G.E. [illegible]
3	5043 4393 3742 13178	4.393	650 651 1301	3905		7824 7180 6536 21540	7.180	644 644 1288	3876	
4	3380 2733 2087 8200	2.733	647 646 1293	5198		9141 8489 7837 25467	8.489	652 652 1304	5180	
5	3060 2412 1766 7238	2.413	648 646 1294	649.2		8801 8157 7512 24470	8.157	644 645 1289	6469	
		19.262					36.072			

F.B. 1205 PG. 45

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 2:45-3:45 PM Rod No. 7 & 8

Name L.A.Co. Precise Level No.
Job No. 4925
From BM 4-2 To BM 4
Date 8-30-51
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.	2920 2270 1619 6809	19.262 2270	650 651 1301	649.2 7793		6171 5522 4872 16565	36.072 5522	649 650 1299	646.9 7768	
7.	7757 7110 6463 21330	7110	647 647 1294	908.7		1965 1320 0673 3958	1319	645 647 1292	906.0	SUMMATION OF RUN BM 4-2 TO BM 4-3
8.	11502 10911 10320 32733	10.911	591 591 1182	1069		1400 0826 0251 2477	0826	574 575 1149	1020.9	TOTAL BACKSIGHTS +47.38[illegible] " FORESIGHTS -50.3[illegible] DIFF. IN ELEVATION -2.99[illegible]
9.	8518 7831 7146 23495	7832	687 685 1372	1164.1	75°	7343 6640 5938 19921	6640	703 702 1405	1161.4	B.M. 4-3 (WHITTIER L-9)(SY 1-53) SEE F.B. 1405-8 FOR DESCRIPTION
		47.385					50.379			

F.B. 1405 PG. 46

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINDOF Time 8:40-9:15 AM Rod No. 7 & 8

Name [illegible] PRECISE [illegible]
Job No. 47-3
From BM 4-3 To BM 4-[illegible]
Date 8-31-51
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
1.	7230 [illegible] [illegible] [illegible] 19623	6.54	687 687 1378	137.8	66.3	8439 7755 7031 [illegible]205	7.755	704 704 1408	140.8	BM 4-3 (WHITTIER [illegible]) SEE F.B. 1205 [illegible] FOR DESCRIPTION
2.	[illegible] 0909 0331 [illegible]	0.90[illegible]	576 578 1154	2552		11587 10997 10405 32989	10.996	570 [illegible] 1182	2570	T. G.E. [illegible]
3.	[illegible] [illegible] [illegible] 3636	1.212	660 660 1320	385[illegible]		[illegible] [illegible] 637 [illegible]006	7.00[illegible]	629 [illegible] 1261	3851	
4.	660 [illegible] [illegible] 8057	6.01[illegible]	[illegible] [illegible] [illegible]	5[illegible]		[illegible] 2708 [illegible] 8304	2.768	642 [illegible] [illegible]	5149	
5	[illegible] 8209 7562 [illegible]	[illegible]	645 647 [illegible]	[illegible]		3112 2466 1818 7396	2.465	646 648 [illegible]	6443	
		22888					30[illegible]			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Naumann Weather CLOUDY Inst. No. 50010
Notes by S. Shinoda Time 8:40-9:15 Rod No. 7 & 8

Name L.A.C. Precise Level Net
Job No. 4923
From BM 4-3 To BM 4
Date 8-31-51
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.	7180 8530 7880 25590	22.888 8530	650 650 1300	6444 7744		3443 2777 2129 8329	[illegible] 2776	646 648 1294	6443 7737	
7	7852 7207 6559 21618	7206	645 [illegible] 1293	9037		5070 4419 3768 13257	4419	651 651 1302	9039	Summation of Run BM 4-3 to BM 4-2
8.	6581 5936 5291 17808	5936	645 645 1290	10327		4198 4249 3600 12747	4249	649 649 1298	10337	Total Backsights 150.8[illegible] Foresights - 47.8[illegible] Diff. in Elevation + 2.9[illegible]
9.	6950 6290 5640 18870	6290	650 650 1300	11627	682	6109 5458 4806 16373	5458	651 652 1303	11640	BM 4-2 (La Habra A-9) See I.B. 1205-7 For Description
		50.850					47.862			

F.B. 1205 PG. 48

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 9:30-10:10 AM Rod No. 7 & 8

Name L.A. Co. Precise 4 [illegible]
Job No. 4923
From BM 4-2 To B [illegible]
Date 8-30-51
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	6133 5481 4830 16444	5481 ✓	652 651 1303 ✓	1303 ✓	#7 68[illegible]	6962 6312 5661 18935 ✓	6312 ✓	650 651 1301 ✓	130[illegible] ✓	BM 4-2 (LA [illegible] SEE F.B. [illegible] 5-7 FOR DESCRIPTION
2	5138 4489 3841 13468 ✓	4489 ✓	649 648 1297 ✓	2600 ✓		6823 6177 5531 18531 ✓	6177 ✓	646 646 1292 ✓	259.3 ✓	⊼ H. F. NAUMANN
3	5017 4366 3715 13098 ✓	4366 ✓	651 651 1302 ✓	3902 ✓		7800 7152 6507 21459 ✓	7153 ✓	648 645 1293 ✓	388.6 ✓	
4	3380 2732 2083 8195 ✓	2732 ✓	648 649 1297 ✓	519.9 ✓		9136 8485 7835 25456 ✓	8485 ✓	651 650 1301 ✓	518.7 ✓	
5	3066 2418 1[illegible] 7253 ✓	2418 ✓	648 649 1297 ✓	649.6 ✓		8807 8162 7518 24487 ✓	8162 ✓	645 644 128[illegible] ✓	647.6 ✓	
		19.486 ✓					36.289 ✓			

F.B. ____ PG. ____

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. 50[illegible]
Notes by S. [illegible] Time 9:30-10:[illegible] Rod No. 7 & 8

Name L.A. Co. Precise Level [illegible]
Job No. 4[illegible]
From [illegible] To BM 4-[illegible]
Date 8-31-[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	3401 2752 2102 8255	19.486 2.752	649 650 [illegible] [illegible]	649.6 7775		6652 6002 5352 18006	36.289 6.002	650 650 [illegible] [illegible]	647.6 7776	
7	7807 7156 6503 21466	7.155	651 653 1304 [illegible]	9099		2007 1365 0724 4096	[illegible]	642 641 1283 [illegible]	9059	SUMMATION OF RUN BM 4-2 TO BM 4-3
8	11610 11016 10422 33048	11.016	594 594 1188 [illegible]	10287		1500 0928 0354 2782	[illegible]	572 574 1146 [illegible]	10205	TOTAL BACKSIGHTS + 48.[illegible]8 " FORESIGHTS - 51.[illegible]1 DIFF. [illegible] - 2.9[illegible]3
9	8558 7868 7180 23606	7.869	690 688 1372 [illegible]	11665	78°	7384 6678 5974 20034	6.678	704 704 1408 [illegible]	1161.3	BM 4-3 (WHITTIER L-9) (SY [illegible]53) SEE F.B. 1205-8 FOR DESCRIPTION
		48.278					51.[illegible]61			

F.B. 1205 PG. 50

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 CLEARING Inst. No. 50910
Notes by G.E. DREIER Time 10:15 A.M. TO 10:45 Rod No. 7 5 8

Name L.A. Co. Pub. Works Lands
Job No. 4725
From BM 4-3 To [illegible]
Date 8-31-51
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
	5723		651		#7	7017		648		BM 4-3 (WHITTIER) (5-115)
	5072		651			6369		647		SEE F.B. 1205-8
	4421		1302 ✓			5722		295 ✓		FOR DESCRIPT.
1	15216 ✓	5.072 ✓		130.2 ✓	78°	19108 ✓	6.369 ✓		129.5 ✓	
	4578		493			9013		495		T. H.F. NAUMANN
	4085		494			8518		496		
	3591		987 ✓			8022		991 ✓		
2	12254 ✓	4.085 ✓		228.9 ✓		25553 ✓	8.518 ✓		228.6 ✓	
	1933		397			10205		397		
	1536		396			9808		39[illegible]		
	1140		793 ✓			9469		336 ✓		
3	4609 ✓	1.536 ✓		308.2 ✓		29602 ✓	9.867		308.2 ✓	
	1396		396			10132		397		
	0990		396			9735		397		
	0594		792 ✓			9338		794 ✓		
4	2970 ✓	0.990 ✓		307.4 ✓		29205 ✓	9.735 ✓		307.6 ✓	
	1093		547			8812		550		
	0546		547			8262		550		
	0000		1094 ✓			7712		1100 ✓		
5	2237 ✓	0.744 ✓		197.6 ✓		24786 ✓	8.262 ✓		197.6 ✓	
		12.429 ✓					42.751 ✓			

F.B. 1205 PG. 51

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather Clear Inst. No. 50010
Notes by S. Shinoda Time 10:15 - 10:45 AM Rod No. 7 E8

Name L.A. Co Precise Level [illegible]
Job No. 4923
From BM 4-3 To BM 4-4
Date 8-31-51
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
	5473	12.429	650	496.9		3890	4[illegible].751	64[illegible]	497.6	
	4823		650			3241		650		
	4173		1300			2591		[illegible]		
6.	14469	4823		6269		9722	3[illegible]41		6275	
	8570		397			2207		396		
	8173		397			1811		393		SUMMATION OF RUN
	7776		794			1417		7~~89~~ 90		BM 4-3 TO BM 4-4
7.	24519	8173		7063		5435	1[illegible]2		7064	
	9777		395			1952		393		
	9382		395			1559		395		TOTAL BACKSIGHTS +44.7[illegible]
	8987		79.0			1164		788		" FORESIGHTS −53.[illegible]
8	28146	9.382		7853		4675	1.558		785.3	DIFF. IN ELEVATION −8.51
	10543		590			4501		591		
	9953		590			3910		591		B.M. 4-4 (WHITTIER K-9)
	9363		1180			3319		1182		SEE F.B. 12-15-9
9	29859	9.953		9033	74	11730	3.910		9035	FOR DESCRIPTION
		44.76[illegible]					5[illegible].72			

F.B./205 PG. 52

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 CLEARING Inst. No. 500120
Notes by S. SHINODA Time 10:45 AM TO 11:30 AM Rod No. 7 E 5

Name L.A. Co. PRECISE LEVELS
Job No. 4925
From BM 4-4 To 3 4-3
Date 8-31-51
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
	4057		593		57	10499		589		
	3864		592			9910		590		BM 4-4 (WHITE
	3272		118.5 ✓			9320		117.9 ✓		SEE F.B. 1205 ?
1	11,593 ✓	3.864 ✓		118.5	74°	29729 ✓	9.910 ✓		117.9 ✓	FOR DESCRIPT
	1973		393			9798		396		
	1580		393			9402		396		π H.F. NAUMANN
	1187		786 ✓			9006		79.2 ✓		
2	4740 ✓	1.580 ✓		197.1 ✓		28,206 ✓	9.402 ✓		197.1 ✓	
	2270		395			863		399		
	1875		395			8238		398		
	1480		790 ✓			7840		79.7 ✓		
3	5625 ✓	1.875 ✓		276.1 ✓		24715 ✓	8.238 ✓		276.8 ✓	
	3967		648			5553		650		
	3319		648			4903		650		
	2671		129.6 ✓			4253		130.9 ✓		
4	9957 ✓	3.319 ✓		405.7 ✓		14709 ✓	4.903 ✓		406.8 ✓	
	8952		549			1438		549		
	8403		556			0.889		548		
	7853		109.9 ✓			0.341		109.7 ✓		
5	25208 ✓	8.403 ✓		515.6 ✓		2.668 ✓	0.889 ✓		516.5 ✓	
	19,341 ✓					33,342 ✓				

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

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. E. NAHMANS Weather CLEAR IN Inst. No. 5010
Notes by G. E. DREIER Time 10:45 TO 11:00 AM Rod No. 7 E 8

Name L.A. Co. PRECISE LEVEL LINE
Job No. 4923
From B.M. 4-4 To B.M. 4
Date 8-31-51
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
	10.118	19.041	398	515.6		1.369	0.973	396	516.5	
	9.720		397			0.973		394		
	9.323		795			0.579		790		
6	29.161	9.720		5951		2.921	0.974		5955	
	10.320		399			1.984		395		SUMMATION OF SUM
	9.921		399			1.589		395		B.M. 4-4 TO B.M. 4-3
	9.522		798			1.193		790		
7	29.763	9.921		6749		4.766	1.589		6746	
	9.091		893			4.659		495		TOTAL BACKSIGHTS + 53,708
	8.598		495			4.164		476		TOTAL FORESIGHTS - 45,204
	8.103		988			3.668		991		DIFF IN ELEVATION + 8,504
8	25.792	8.597		7237		12.491	4.164		7237	
	7.077		649			[illegible]		[illegible]		
	6.428		645			3.836		654		B.M. 4-3 (WALNUT [illegible])
	5.783		1294			3.182		1309		SEE F.B. 1235 - 8
9	19.288	6.429		9031	80°	8.455	3.135		9052	FOR DESCRIPTION
		53,708					44,504			

F.B. 1235 PG. 54

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 CLEARING Inst. No. 50010
Notes by S. SHINODA Time 1:40-1:50 PM Rod No. 758

Name L.A. Co. PRECISE LEVELING NET
Job No. 49-3
From BM 4-4 To B 14-5
Date 8-31-51
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
	5306		651		#7	8182		650		
	4655		651			7532		650		BM 4-4 (WHITTIER K 9)
	4024		1302			6882		1300		SEE F.B. 1125
1.	14025	4.675		30.2	102	22596	7.532		130.0	FOR DESCRIPTION
	1761		598			11837		529		
	1163		596			11308		526		R.G.E. DREXLER
	0567		1194			10782		1055		
2	3491	1.164		2496		33927	11.309		2355	
	1134		377			10727		465		
	0757		377			10262		462		
	0380		754			9800		927		1 HOUR FOR LUNCH
3	2211	0.737		3290	105	30789	10.263		3202	
	2547		647			6926		646		
	1900		646			6280		645		
	1254		1293			5635		1291		
4	5701	1.900		4583	102	18841	6.280		4573	
	4266		642			8060		648		
	3618		647			7412		649		
	2971		1295			6763		1297		
5.	10855	3.618		5878		22235	7.412		5870	
		12094					42.796			

F.B. PG.

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. Johnson Time 11:40-1:50 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4925
From BM 4-4 To BM 4-
Date 8-30-61
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	7001 6498 5994 19493	12.094 ✓ 6.498 ✓	503 504 1007 ✓	688.5 ✓		1467 0967 0469 2407	42.796 ✓ 0.969 ✓	500 500 1000 ✓	687.0 ✓	
7	9670 9269 8868 29807	9.269 ✓	401 401 802 ✓	768.7 ✓		2025 1633 1242 4900	1.633 ✓	392 391 783 ✓	765.3 ✓	
8	9764 9369 8972 28105	9.368 ✓	395 397 792 ✓	847.9 ✓		1981 1587 1194 4762	1.587 ✓	394 393 787 ✓	844.0 ✓	SUMMATION OF RUN BM 4-4 TO BM 4-5
F.B. 1205 PG. 56	10580 9929 9279 29788	9.929 ✓	651 650 1301 ✓	978.0 ✓		4358 3707 3061 11126	3.707 ✓	646 646 1292 ✓	973.2 ✓	TOTAL BACKSIGHTS + 52.425 ✓ " FORESIGHTS − 56.595 ✓ DIFF. IN ELEVATION − 4.170 ✓
	5491 5267 5043 15801	5.267 ✓	224 224 448 ✓	1022.8	81°	6167 5902 5639 17708	5.903 ✓	265 263 528 ✓	1026.0 ✓	B.M. 4-5 (WHITTIER J-9) SEE F.B. 1205-10 FOR DESCRIPTION
		52.425 ✓					56.595 ✓			

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 1:50 - 2:40 PM Rod No. 7 & 8

Name L.A. Co. Precise Le[illegible] Net
Job No. 4923
From BM 4-5 To BM 4-4
Date 8-31-51
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	6161 5711 5661 17733	5.911	250 250 500	50.0	#7 82°	5517 5279 5041 15837	5.279	238 238 476	47.6	B.M 4-5 (WHITTIER J-9) SEE F.B. 1205-[illegible] FOR DESCRIPTION
2	3789 3141 2492 9422	3.141	648 649 1297	179.7		10019 9368 8717 28104	9.368	651 651 1302	177.8	π G.E. DREIER
3	1849 1452 1057 4358	1.453	397 395 792	258.9		9625 9232 8840 27697	9.232	393 392 785	256.3	
4	1854 1458 1060 4372	1.457	396 398 794	338.3		9488 9094 8700 27282	9.094	394 394 788	335.1	
5	1218 0720 0222 2160	0.720 12.682	498 498 996	437.9		6746 6247 5750 18743	6.248 ~~39.224~~ 39.221	499 497 996	434.7	

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

FORM 379 5M 7-40

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Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:50-2:40 PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 4-5 To BM 4-4
Date 8-30-51
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	8025 7381 6735 22141	12.682 7.380	644 646 1290	437.9 5669		4232 3585 2938 10755	39.221 3.585	647 647 1294	434.7 5641	
7	7461 6813 6168 20442	6.813	658 655 ~~1313~~ 1293	6982		3081 2434 1788 7303	2.434	7 646 1293	6934	
8	10697 10.244 9.791 30732	10.244	453 453 906	7888		1126 0718 0308 2152	0.717	408 410 818	7752	SUMMATION OF RUN BM 4-5 TO BM 4-4
9	11553 11057 10560 33170	11057	496 497 993	8881		1545 0916 0285 2746	0.915	629 631 1260	9012	TOTAL BACKSIGHTS + 56.630 " FORESIGHTS − 52.460 DIFF. IN ELEVATION + 4.170
10	9128 8453 7777 25358	8.453	675 676 1351	10232	82°	6211 5588 4966 16765	5.588	623 622 1245	10257	BM 4-4 (WHITTIER K-9 SEE F.B. 1205-9 FOR DESCRIPTION
		~~56.627~~ 56.630					~~52.463~~ 52.460			

F.B. 1205 PG. 52

FORM 279 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. SWIDER Time 2:50-3:15 P.M. Rod No. 7 E 8

Name L.A. Co. Dr. Div. 1 Jel. Nr.
Job No. 4923
From BM 4-5 To B 1-9
Date 8-31-51
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.	5013 4365 3719 13097	4.366	648 646 1294	129.4	#7 82°	7137 6483 5830 19450	6.483	654 653 1307	130.7	B.M 4-5 (WHITTIER J-9 (S-1150) SEE F.B. 1205-19 FOR DESCRIPTION
2	3074 2432 1788 7294	2.431	642 644 1286	258.0		8809 8161 7515 24485	8.162	648 646 1294	260.1	T. G.E. DREIER
3	2460 1811 1163 5434	1.811	649 648 1297	289.7		9252 8606 7960 25818	8.606	646 646 1292	389.3	
4	2656 2013 1365 6034	2.012	646 645 1291	516.8		9703 9056 8410 27169	9.056	647 646 1293	518.6	
5	2012 1466 0918 4396	1.465	546 548 1094	626.2		8835 8286 7737 24858	8.285	549 549 1098	628.4	
		12.083					40.593			

F.B. PG.

FORM 379 5M 7-40

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Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:50 3:15 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-5 To BM 1-9
Date 8-31-51
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	7978	12083 ✓	639	626.2 ✓		3283	40593 ✓	632	628.4 ✓	B.M. 1-9 (WHITTIER J-9)
	7337		638			2651		630		SEE F.B. 1202-14
	6701		1277 ✓			2021		1262 ✓		FOR DESCRIPTION
	12018 ✓	7339 ✓		7539 ✓	82°	7955 ✓	2652 ✓		7546 ✓	
										SUMMATION OF RUN B.M. 4-5 TO B.M. 4-6
										TOTAL BACKSIGHTS +19.42[illegible] ✓
										" FORESIGHTS -43.24[illegible] ✓
										DIFF IN ELEVATION -23.8[illegible] ✓
		19.422 ✓					43.245 ✓			

F.B. 1205 PG. 60

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 3:15-3:40 PM Rod No. 7 & 8

Name L.A. Co Precise Level Net
Job No. 4922
From BM 1-9 To BM 4-5
Date 8-31-54
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	3290 2658 2023 7971	2.657	632 635 1267	127.67	#7 82°	7981 7342 6704 22027	7.342	639 638 1277	127.7	BM 1-9 (Whittier -9) See F.B. 1202-14 For Description
2	8827 8278 7729 24834	8.278	549 549 1098	236.5		2003 1457 0910 4370	1.457	546 547 1093	2370	K. G.E. Dreier
3	9655 9007 8360 27022	9.007	648 647 1295	366.0		2607 1961 1315 5883	1.961	646 646 1292	366.2	
4	9382 8734 8086 26202	8.734	648 648 1296	495.6		2588 1938 1288 5814	1.938	650 650 1300	496.2	
5	9288 8640 7992 25920	8.640	648 648 1296	625.2		3558 2914 2270 8742	2.914	644 644 1288	625.0	
		37.316					15.612			

F.B. [illegible] PG. [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 CLEAR Inst. No. 50010
Notes by S. Shinoda Time 3:15 - 3:40 P.M. Rod No. 7 & 8

Name L.A.C. Precise Level Hi
Job No. 4923
From BM 1-9 To BM 4-5
Date 8-31-51
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
	7612	37.316 ✓	652	626.4 5.2 ✓		5488	15.612 ✓	648	625.0 ✓	
	6960		652			4840		648		BM 4-5 (WHITTIER J-9) (S 1156)
6.	6308		1304 ✓			4192		1296 ✓		SEE F.B. 1205-11
	20880 ✓	6.960 ✓		7565 5.6 ✓	80°	14520 ✓	4840 ✓		7546 ✓	FOR DESCRIPTION
										SUMMATION OF RUN BM 4-6 TO BM 4-5
										TOTAL BACKSIGHTS + 44.276 ✓
										" FORESIGHTS - 20.452 ✓
										DIFF. IN ELEVATION + 23.824 ✓
		44.276 ✓					20.452 ✓			

F.B. 1205 PG. 64

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. 500 [illegible]
Notes by S. Shinoda Time 9:00-9:50 AM Rod No. 7 & 8

Name L.A. Co. Precise Le[illegible]
Job No. 4923
From BM 1-9 To [illegible]
Date 9-4-51
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	[illegible] 8416 7723 25247	8416	652 653 1305	1305	#7 64°	5298 [illegible] 4008 13958	4653	646 644 1290	129.0	BM 1-9 (Whittier 1-[illegible]) See F.B. [illegible] for description
2	3334 2689 [illegible]43 8066	2689	645 646 1291	2596		[illegible]79 [illegible] 6[illegible]3 20473	6831	648 648 1296	2586	T. G. E. Dreier
3	[illegible] [illegible] [illegible] 15[illegible]05	5068	646 [illegible] 1294	3870		2943 [illegible] 1652 6891	[illegible]297	645 648 1293	3879	
4	6998 [illegible] [illegible] 19043	6348	650 651 1301	5[illegible]		4983 [illegible] [illegible] 13[illegible]	4340	643 643 1286	5165	
5	6851 [illegible] [illegible] 18633	6211	640 640 1280	6471		4[illegible]7 4245 3593 [illegible]735	4245	652 652 1304	6469	
		28.732					22.366			

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

Name [illegible]
Job No. [illegible]
From [illegible] To BM 4-6
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.	5169 / 4677 / [illegible] / 10030	[illegible]	492 / 499 / 991	[illegible]		[illegible] / 8457 / 7960 / [illegible]	[illegible]	497 / 497 / 994	646.9	
7	[illegible] / [illegible] / [illegible] / [illegible]	[illegible]	[illegible] / [illegible] / [illegible]	[illegible]		[illegible] / [illegible] / [illegible] / [illegible]	[illegible]	500 / 500 / [illegible]	146.1	SUMMATION OF BM 4-4 TO BM 4-6
8.	[illegible] / 8319 / 7923 / [illegible]	[illegible]	[illegible] / [illegible] / [illegible]	[illegible]		[illegible] / 2210 / [illegible] / [illegible]	[illegible]	500 / 500 / [illegible]	946.1	TOTAL BACKSIGHTS 4418 ✓ FORESIGHTS - 4382 ✓ DIFF. IN READINGS +6.69 ✓
9	7551 / 6307 / 5469 / 19320	6307	247 / 248 / 495	1355	58	7382 / 6530 / 5622 / 19600	6535	846 / 848 / 1694	1155	SUM 4-6 (NUMBERS 1-9) SEE F.B. 1425-11 FOR DESCRIPTION
		47.919					48.255			

F.B. 1425 PG. 11

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 - 9:05 AM Rod No. 7 & 8

Name LA Co Precise Level Net
Job No. 4925
From B.M. H-6 To B.M. 1-9
Date 7-5-51
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
	7305		847		#7	7077		849		
	6458		845			6228		850		BM 4-6 (WEATHER IS
	5613		1692 ✓			5378		1699 ✓		SEE F.B. 1205 11
1.	19376 ✓	6.459 ✓		169.2	65°	18683 ✓	6.228 ✓		169.9 ✓	FOR DESCRIPTION
	3155		498			9201		495		
	2657		498			8706		496		⊼ H.F. NAUMANN
	2159		996 ✓			8210		991 ✓		
2	7971 ✓	2.657 ✓		268.8 ✓		26117 ✓	8.706 ✓		269.0 ✓	
	4303		500			2588		498		
	3803		500			2090		499		
	3303		1000 ✓			1591		997 ✓		
3.	11409 ✓	3.803 ✓		368.8 ✓		6269 ✓	2.090 ✓		368.7 ✓	
	9239		497			5453		491		
	8742		497			4962		491		
	8245		994 ✓			4471		982 ✓		
4.	26224 ✓	8.742 ✓		468.2 ✓		14886 ✓	4.962 ✓		466.9 ✓	
	4913		644			6882		646		
	4269		645			6236		648		
	3624		1289 ✓			5588		1294 ✓		
5.	12806 ✓	4.269 ✓		597.1 ✓		18706 ✓	6.235 ✓		596.3 ✓	
		25.930 ✓					28.221 ✓			

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 Cloudy Inst. No. 50010
Notes by J. Shinoda Time 8:30-9:05 AM Rod No. 7-8

Name L.A.C. Precise Level
Job No. 4923
From BM 4-6 To BM 1-9
Date 7-5-51
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
	5071	25.450	649	577.1		7077	[illegible]	648	596.3	
	4422		646			6429		641		
	3776		1295			5788		1297		
6.	13269	4423		7266		19286	6429		7260	
	8202		646			5791		642		
	2556		642			5146		647		DURATION OF RUN
	1918		1294			4679		1295		BM 4-6 TO BM 1-9
7.	7660	2555		8560		15971	5326		8553	
	7214		646			5671		647		TOTAL BACKSIGHTS +44.655
	7168		646			5024		646		TOTAL FORESIGHTS −51.343
	6522		1292			4378		1293		DIFF IN ELEVATION −6.688
8	21504	7168		9852		15073	5024		9846	
	5228		649			8943		650		
	4579		648			8343		650		DM 1-9 (WHITTIER J-10)
	3931		1297			7693		1300		SEE F.B. 1202-14
9.	13738	4579		11149	65°	25029	8343		11146	FOR DESCRIPTION
		44.655					51.343			

F.B. 1005 PG. 66

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Naumann Weather CLOUDY Inst. No. 50010
Notes by S. Shinoda Time 9:50 - 11:30 AM Rod No. 7 & 8

Name L. A. Co. [illegible]
Job No. 4923
From BM 4-6 To [illegible]
Date 9-4-51
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
	4163		652		#7	9132		650		BM 4-6 (Whittier [illegible] -9)
	3511		652			8482		650		See F.B. 1-05
	2859		1304			7832		1300		For Descr[illegible]
1.	10533	3.511		130.4	65°	25446	8482		130.0	
	2540		647			10482		646		
	1899		644			9836		648		π G. E. Dr[illegible]
	1249		291			9188		1294		
2	5682	1.894		2595		29506	9.835		2594	
	1088		498			9249		498		
	1083		498			8751		499		
	0582		996			8252		997		
3	3249	1.083		359.1		20252	8.751		359.1	
	1859		499			6462		494		
	1360		500			5968		497		
	0860		999			5471		991		
4.	4079	360		459.0		17901	5.967		458.2	
	8282		651			2761		646		
	7631		649			2115		646		
	6982		1300			1469		1292		
5.	22895	7.632		589.2		6345	2115		587.4	
		15.480					35.150			

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. [illegible] Weather Cloudy Inst. No. 50910
Notes by [illegible] Time 9:50-11:30 A.M. Rod No. 7 & 8

Name [illegible]
Job No. 4923
From [illegible] To [illegible]
Date 9-4-51
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
	5229	15.483	650	587.0		7065	35.150	645	587.4	
	4579		650			6420		648		
	3909		1300			5772		1293		
6	13737	4.579		7190		19257	6.419		7167	
	4673		645			6924		650		
	4021		647			6279		651		
	3381		1292			5628		1301		
7	12082	4.027		8482		18836	6.279		8468	
	4482		645			7010		647		
	3837		648			6372		646		
	3189		1293			5766		1293		
8	11508	3.836		9775		19117	6.312		9761	
	2811		650			9975		645		
	2161		650			9330		645		
	1511		1300			8685		1290		
9	6483	2.161		11075		27770	9.330		11051	
	1658		648			11880		607		
	1010		648			11273		605		
	0362		1296			10668		1212		
10	3030	1.010		12371		33821	11.274		12263	
		31.093					74.824			

F.B. [illegible] 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. HAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:50 11:30 AM Rod No. 7 & 8

Name L.A. Co. Precise L[illegible]
Job No. 4[illegible]
From BM 4-6 To [illegible] 4-7
Date 9-4-51
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
	1333	31.093 ✓	363	1237.1 ✓		10270	74.824 ✓	370	12263 ✓	
	0970		364			9900		370		
	0606		727 ✓			9530		740 ✓		
11	2909 ✓	0.970 ✓		1309.8 ✓		29700 ✓	9.900 ✓		13003 ✓	
	1534		332			9409		358		
	1202		332			9051		359		
	0870		664 ✓			8692		717 ✓		
12	3606 ✓	1202 ✓		1376.2 ✓		27152 ✓	9.051 ✓		13720 ✓	
	3690		652			6131		650		
	3038		653			5481		650		
	2385		1305 ✓			4831		1300 ✓		
13	9113 ✓	3.038 ✓		1506.7 ✓		16443 ✓	5.481 ✓		15020 ✓	
	5498		638			6051		653		
	4860		636			5398		656		
	4224		1274 ✓			4742		1309 ✓		
14	14582 ✓	4.861 ✓		1634.1 ✓		16191 ✓	5.397 ✓		16359 ✓	
	7584		649			4741		644		
	6935		651			4097		645		
	6284		1300 ✓			3452		1289 ✓		
15	20803 ✓	6.934 ✓		1764.1 ✓		12290 ✓	4.097 ✓		1761.8 ✓	
		48.098 ✓					108.750 ✓			

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. 50010
Notes by S. SHINOBA Time 9:50-11:30 AM Rod No. 7 [illegible]

Name L.A. Co. PRECISE LEVELING
Job No. 4943
From BM 4-6 To BM 4-7
Date 9-4-51
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
	6996	48.098	349	1764.1		2353	108.750	349	1761.8	
	6647		347			2004		347		
	6300		696			1657		696		
16	19943	6.648		1833.7		6014	3.005		1831.4	
	9269		346			2003		344		
	8923		345			1659		346		
	8580		689			1313		690		
17	26772	8.924		1902.6		4975	1.658		1900.4	
	9519		350			2049		343		
	9169		350			1706		343		SUMMATION OF RUN
	8819		700			1363		686		BM 4-6 to BM 4-7
18	27507	9.169		1972.6		5118	1.706		1969.0	
	11712		643			2693		656		TOTAL BACKSIGHTS +89.918
	11069		644			2037		658		" FORESIGHTS -123.433
	10425		1287			1379		1314		DIFF IN ELEVATION -33.51[illegible]
19	33206	11.069		2101.3		6109	2.036		2100.4	
	6276		265			6541		263		
	6011		267			6278		262		BM 4-7 (WHITTIER H-8)(SY 1[illegible])
	5744		532			6016		525		SEE F.B. 1205-12
20	28031	6.010		2154.5	74°	18835	6.278		2152.9	FOR DESCRIPTION
		89.918					123.433			

F.B. 1205 PG. 70

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From BM 4-7 To B 4-6
Date 9-4-51
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
	6463		261		#7	6200		267		
	6202		260			5933		268		B.M. 4-7 (WHITTIER [illegible])
	5942		521			5665		535		SEE F.B. 1205-12
1.	18607	6.202		52.1	84°	17798	5.933		53.5	FOR DESCRIPTION
	2742		649			11777		651		
	2093		651			11126		650		⊼ H.F. NAUMANN
	1442		1300			10476		1301		
2.	6277	3.092		182.1		33379	11.126		183.6	
	1862		345			9326		348		
	1517		346			8978		346		
	1171		691			8632		694		
3.	4550	1.517		251.2		26936	8.979		253.0	
	1816		344			9082		346		
	1472		345			8736		344		
	1127		689			8392		690		
4.	4415	1.472		320.1		26210	8.737		322.0	
	2302		349			6946		350		
	1953		346			6596		350		
	1607		695			6246		700		
6.	5862	1.954		389.6		19788	6.596		392.0	
		13.237					41371			

F.B. 1205 PG. 71

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:25 Rod No. 7 E8

Name LA Co Precise Level Net
Job No. 4925
From BM 4-7 To BM 4-6
Date 9-4-51
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
	4691	13.237	648	389.6		7526	4.771	644	392.0	
	4043		650			6882		644		
	3393		1298			6238		1288		
6	12127	4.042		5194		20646	6.882		5208	
	6018		646			5480		645		
	5372		648			4835		645		
	4724		1294			4190		1290		
7	16114	5.371		6488		14505	4.835		6498	
	6180		648			3742		654		
	5532		650			3088		651		
	4882		1298			2437		1305		
8	16594	5.531		7786		9267	3.089		7803	
	9121		345			1276		347		
	8776		344			0929		347		
	8432		689			0582		694		
9	26329	8.776		8475		2787	0.929		8497	
	9918		346			1027		384		
	9572		349			0643		387		
	9223		695			0256		771		
10	28713	9.571		9170		1926	0.642		9268	
		46.528					57.748			

F.B. 1205 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:25 - 3:45 Rod No. 7 & 8

Name L. A. Co. Pricing & [illegible]
Job No. 49-23
From BM 4-7 To B. 4-6
Date 9-4-51
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
	11703	46.528	608	97.0		1480	57.748	648	926.8	
	11095		607			0832		649		
	10488		1215			0183		1297		
11	33286	11.095		10385		2475	0.832		10565	
	10193		665			2992		630		
	9528		666			2362		630		
	8862		1331			1732		1260		
12.	28583	9.528		1171.6		7086	2362		11825	
	7383		675			4792		620		
	6708		671			4172		620		
	6037		1346			3552		1240		
13.	20128	6.709		13062		12516	4.172		13065	
	7054		649			4803		645		
	6405		649			4158		648		
	5756		1298			3510		1293		
14.	19215	6.405		14360		12471	4.157		14358	
	7127		647			5288		648		
	6480		647			4640		648		
	5833		1294			3992		1296		
15.	19440	6.480		15654		13920	4.640		15654	
		86.745					73.911			

F.B. [illegible] 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 S. SHINODA Time 2:25-3:45 Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 4-7 To BM 4-6
Date 9-4-51
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
	2799	86745	648	15654		8318	73.911	650	15654	
	2151		648			7668		649		
	1503		1296			7019		1299		
16	6453	2.151		16950		23005	7.668		16953	
	6710		498			2100		495		
	6212		499			1605		495		
	5713		997			1110		990		
17	18635	6.212		17947		4815	1.605		17943	
	9407		496			1740		498		
	8911		498			1242		496		SUMMATION OF RUN
	8413		994			0746		994		BM 4-7 TO BM 4-6
18	26731	8.910		18941		3728	1.243		18937	
	10523		646			2583		646		TOTAL BACKSIGHTS + 122.479
	9877		647			1937		646		" FORESIGHTS − 89.977
	9230		1293			1291		1292		DIFF IN ELEVATION + 32.502
	29630	9.877		20234		5811	1.937		20229	
	9235		651			4266		653		
	8584		651			3613		653		BM 4-6 (WHITTIER I-9)
	7933		1302			2960		1306		SEE F.B. 1405-11
	25752	8.584		21536	90°	10839	3.613		21535	FOR DESCRIPTION
		122.479					89.977			

F.B. 1205 PG. 74

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-1:35 PM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM 4-7 To BM 4-8
Date 9-4-51
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
	5019		650		#7	9269		649		B.M. 4-7 (Whittier [illegible])
	4369		647			8620		651		SEE F B 1205-12
	3720		1297			7969		1300		FOR DESCRIPTION
1.	13108	4369		129.9	74	25858	8619		130.0	
	3707		648			7034		646		
	3059		650			6388		646		π GE Dredge
	2409		1298			5742		1292		
2	9175	3058		2597		19164	6388		2592	
	3973		645			9041		649		
	3328		648			8392		649		
	2680		1293			7743		1298		
3	9981	3327		3890		25176	8392		3890	
	4359		653			5587		644		
	3706		655			4943		643		
	3051		1308			4300		1287		
4	11116	3.705		5198		14830	4.943		5177	
	8075		647			1799		649		
	7428		648			1150		649		
	6780		1295			0501		1298		1 HOUR FOR LUNCH
5.	22283	7.428		6493	74	3450	1.150		6475	
		21.887					29.492			

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. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-1:35 [illegible] Rod No. 7 & 8

Name LA Co PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-7 To BM 4-[illegible]
Date 9-4-51
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
	10828	21.887	645	6493		3188	[illegible]	646	6475	
	10183		644			2542		647		
	9539		1289			1895		1293		
6	30550	10183		7782	82°	7625	[illegible]42		7768	
	6154		649			6399		657		
	5505		649			5742		660		
	4856		1298			5082		1317		
7.	16515	5.505		9080		17223	[illegible]		9085	
	5487		647			6499		651		
	4840		646			5848		650		SUMMATION OF RUN
	4194		1293			5198		1301		BM 4-7 TO BM 4-8
8.	14521	4840		10373		17545	5.848		12386	
	5111		645			7191		651		TOTAL BACKSIGHTS + 51.070
	4466		646			6540		652		" FORESIGHTS − 56.886
	3820		1291			5888		1303		DIFF IN ELEVATION − 5.816
9.	13397	4.466		11664		19619	6.540		11689	
	4748		459			7278		555		
	4189		558			6723		554		BM 4-8 (WHITTIER 6-8)(SY[illegible])
	3631		1017			6169		1109		SEE F.B. 1205-13
10.	12568	4.189		12681	82°	20170	6.723		12798	FOR DESCRIPTION
		51.070					56.886			

F.B. 1205 PG. 76

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. Proj. & Lot. Mtce
Job No. 4923
From BM 4-8 To 2 4-7
Date 9-4-51
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
	7253		553		#7	4725		558		
	6700		552			4167		560		BM 4-8 (WHITTIER G 8)(SYM 17)
	6148		1105			3607		1118		SEE F.B. 1205-13
1.	20101	6.700		110.5	82°	12499	4.166		111.8	FOR DESCRIPTION
	7303		651			5224		645		
	6652		650			4579		646		TO G.E. DREIER
	6002		1301			3933		1291		
2	19957	6.652		2.406		13736	4.579		2.409	
	6489		650			5479		648		
	5839		651			4831		649		
	5188		1301			4182		1297		
3	17516	5.839		3.707		14492	4.831		3.706	
	6338		659			6091		649		
	5679		659			5442		651		
	5020		1318			4791		1300		
4	17037	5.679		5.025		16324	5.441		5.006	
	3164		647			10809		649		
	2522		645			10163		646		
	1877		1292			9517		1295	29.8	
5	7568	2.523		631.7		30489	10163		633.1	
	27395					27180				

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. 50910
Notes by S. SHINOSA Time 1:35-2:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL 1/87
Job No. 4923
From BM 4-8 To BM 4-7
Date 9-4-51
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
	1841	27.375	648	631.7		8119	27.180	643	630.1	
	1193		644			7470		648	29.8	
	0549		292			6122		1297		
6.	3583	1194		760.9		22411	7470		757.5	
	5603		649			4362		647		
	4954		649			3715		646		
	4305		1298			3069		1293		
7.	14862	4954		890.7		11146	3715		889.88	
	8909		640			3857		659		
	8269		640			3200		658		SUMMATION OF RUN
	7629		1280			2542		1317		BM 4-8 TO BM 4-7
8	24807	8.269		1018.7		9601	3200		1020.5	
	7069		647			3732		646		TOTAL BACKSIGHTS + 57.060
	6422		647			3086		646		" FORESIGHTS − 51.228
	5775		1294			2440		1292		DIFF. OF ELEVATION + 5.832
9.	19266	6.422		1148.1		9258	3086		1150.0 49.7	
	9483		654			5220		643		
	8829		656			4577		644		BM 4-7 (WHITTIER H-8)(SY 1160)
	8173		1310			3933		1287		SEE FB 1205-12
10.	26485	8.828		1279.1	84°	13730	4577		1278.4	FOR DESCRIPTION
		57.060					51.228			

F.B. 1205 PG. 78

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party [illegible] Weather [illegible] Inst. No. [illegible]
Notes by [illegible] Time 9.10-9.50AM Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From BM 4-7 To [illegible]
Date 9-5-51
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
	5025		649		#9	9517		[illegible]		
	[illegible]		649			8868		648		BM 4-7 [illegible]
	3905		[illegible]			8220		[illegible]		SEE F.B. 120[illegible]
1	3.8[illegible]	[illegible]		129.8	65	[illegible]	2.262		129.8	FOR DESCRIPTION
	3747		[illegible]			7076		[illegible]		
	[illegible]		259			6489		[illegible]		TH. H. [illegible]
	2488					5784				
2	[illegible]	[illegible]		259.7		[illegible]	6.430		259.0	
	[illegible]		645			9056		651		
	[illegible]		645			8405		651		
	[illegible]					7754				
3	100.[illegible]	3.35[illegible]		3.[illegible]		[illegible]	8.405		329.2	
	4329		650			5872		646		
	3718		651			4[illegible]		[illegible]		
	[illegible]					4306				
4	1138	2.13		5.18		1456	4.95		51.64	
	5008		649			1757		647		
	7357		648			[illegible]		648		
	6711					0438				
5	2.207	7.35[illegible]		6.485		[illegible]	1.086		2.79	
		12.23					29.14			

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. Shinoda Time [illegible] Rod No. [illegible]

Name [illegible]
Job No. 4928
From BM 4-7 To BM 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
	10747	[illegible]	646	[illegible] 6		3106	[illegible]	647	647.9	
	10101		645			2459		646		
	9456		[illegible]	7		1813		[illegible]		
6	30304	[illegible]		777.2		7378	[illegible]		777.2	
	6129		651			6368		655		
	5478		651			5713		658		
	4827		[illegible]	9		5055		1313		
	16434	5478		[illegible]		17136	5712		908.5	
	5414		648			6422		649		
	4766		649			5773		651		Summation of run
	4117		[illegible]	6		5122		1300		BM 4-7 to BM 4-8
8	14297	4766		1038.5		17317	[illegible]		1038.5	
	5240		647			7318		650		Total backsights 451.[illegible]
	4593		646			6668		652		" Foresights - 57.[illegible]
	3947		1293	9		6016		1302		Diff. in elevation - 5.[illegible]
9	13780	4593		1168.7		20002	6667		1168.7	
	4790		556			7345		556		
	4234		556			6769		556		BM 4-8 Whittier G-8 (Sy[illegible])
	3678		1112	1		6213		1112		See F.B. 1205-13
10	12702	4234		1278.6	66.9	20307	6769		1279.9	for description
		51295					57120			

F.B. 1205 PG. 80

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SAVADA Time 9:55-10:10 AM Rod No. 7 & 8

Name L.A. CO. DRAINAGE & VERNE
Job No. 4-23
From BM 4-8 To BM 4-7
Date 9-5-51
Indexed L. 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
	5731		653		#7	4993		649		
	5078		653			4344		646		BM 4-8 (WHITTIER) (5.117)
	4425		1306			3698		1295		SEE F.B. 1105-13
1	15234	5.078		130.6	68°	13035	4.345		129.5	FOR DESCRIPTION
	6815		648			5560		650		
	6167		648			4910		650		TO H F NAUMANN
	5519		1296			4260		1300		
2	16501	6.167		260.2		14730	4.910		259.5	
	5829		649			6192		649		
	5180		649			5543		649		
	4531		1298			4894		1298		
3	15540	5.180		390.0		16629	5.543		389.3	
	5507		388			5938		394		
	5119		388			5544		392		BM 4-7 (WHITTIER 2G) (5.171)
	4731		776			5152		786		SEE F.B. 1105-14
4	15357	5.119		467.6	66°	16634	5.545		466.7	FOR DESCRIPTION
										SUMMATION OF RUN 3? 2.46.9
										TOTAL BACKSIGHTS + 21.544
										FORESIGHTS − 20.343
										DIFF. IN ELEVATION + 1.201
	121.544					20.343				

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 CLOUDY Inst. No. 50010
Notes by S. SHINOGA Time 10.10 - 10.25 Rod No. 7 E 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-9 To BM 4
Date 7-5-51
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
	5907		393		#7	5477		388		
	5514		392			5089		386		BM 4-9 (WHITTIER G-7)(S[illegible])
	5122		785 ✓			4703		774 ✓		SEE F.B. 1205-14
1.	16543 ✓	5.514 ✓		78.5 ✓	68°	15269 ✓	5.090 ✓		77.4 ✓	FOR DESCRIPTION
	6218		649			5857		650		
	5569		648			5207		650		π. H. F. NAUMANN
	4921		1297 ✓			4557		1300 ✓		
2	16708 ✓	5.569 ✓		208.2 ✓		15621 ✓	5.207 ✓		207.4 ✓	
	5638		6[illegible]			6893		646		
	4989		649			6247		64[illegible]		
	4340		1298 ✓			5599		1294 ✓		
3	14967 ✓	4.989 ✓		338.0 ✓		18739 ✓	6.246 ✓		336.8 ✓	
	5018		646			5757		654		
	4372		648			5103		652		B.M. 4-8 (WHITTIER G-8)(S[illegible]70)
	3724		1294 ✓			4451		1306 ✓		SEE F.B. 1205-13
4.	13114 ✓	4.371 ✓		467.4 ✓	102	15311 ✓	5.104 ✓		467.4 ✓	FOR DESCRIPTION
										SUMMATION OF RUN BM 4-9 TO [illegible] 8
										TOTAL BACKSIGHTS + 20.4[illegible] ✓
										" FORESIGHTS − 21.6[illegible] ✓
										DIFF IN ELEVATION − 1.20[illegible] ✓
		20.443 ✓					[illegible].47 ✓			

F.B. 1205 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. HAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. [illegible] Time 10:30-11:05 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4765
From BM 4-9 To BM 4
Date 9-5-51
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.	7282 6642 5994 19924	6.641	646 648 1294	1294	#7 72°	5397 4746 4097 14240	4.747	651 649 1300	1300	BM 4-7 (Whittier 2 Co. (53 1970 SEE F.B. 1605-1 FOR DESCRIPTION
2.	5605 [illegible] [illegible] 15060	5.020	545 545 1090	2584		5709 5063 4415 15187	5.062	646 648 1294	2594	K. H.F. HAUMANN
3.	4744 [illegible] 3544 12588	4.194	650 650 1300	3884		5740 5096 4449 15285	5.095	644 647 1291	3885	
4.	5223 4569 3917 13709	4.570	654 652 1306	5190		5282 4634 3976 13902	4.634	648 678 [illegible]	5181	
5.	6697 6046 5397 18140	6.047	651 649 1300	6494		4592 3946 3299 11837	3.946	646 647 293	6474	
		26.472					23.484			

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. [illegible] Time 10:30-11:05 AM Rod No. 7 & 8

Name L.A. Co. Precise Level [illegible]
Job No. 4[illegible]
From BM 4-9 To BM 4
Date 9-5-51
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
	5801	26.472 ✓	650	649.0 ✓		6[illegible]	2[illegible].4[illegible]4 ✓	648	647.4 ✓	
	5151		650			5740		649		
	4501		1300 ✓			5091		1297 ✓		
6	15453 ✓	5.151 ✓		7790		17219 ✓	5.740 ✓		7771 ✓	
	5272		640			5812		654		
	4632		645			5158		652		
	3989		1283 ✓			4506		1306 ✓		
7	13893 ✓	4.632 ✓		9073		15476 ✓	5.159 ✓		9077 ✓	
	4993		293			6241		292		
	4700		292			5949		291		BM 4-10 (WHITTIER F-7) (SY 1-34)
	4408		585 ✓			5658		583 ✓		SEE F.B. 1205-15
8	14101 ✓	4.700 ✓		9658	74[illegible]	17848 ✓	5.949 ✓		9660 ✓	FOR DESCRIPTION
										SUMMATION OF RUN BM 4-9 TO BM 4-10
										TOTAL BACKSIGHTS +40.9[illegible] ✓
										" FORESIGHTS -40.3[illegible] ✓
										DIFF. IN ELEVATION + 0.6[illegible] ✓
		40.95[illegible] ✓					40.[illegible] ✓			

F.B. 1205 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.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINDER Time 11:05 TO 11:35AM Rod No. 7 & 8

Name L.A. CO. PRECISE LEVEL NET
Job No. 49-3
From BM 4-10 To BM 4-9
Date 9-5-51
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
	6146		291		#7	4897		291		
	5855		291			4606		293		BM 4-10 (WHITE ER R. 1) (S 1284)
	5564		582			4313		584		SEE F.B. 1205-N
1	17565	5.855		58.2	74°	13816	4.605		58.4	FOR DESCRIPTION
	5937		649			5407		647		
	5288		645			4762		648		R H F NAUMANN
	4643		294			4114		295		
2	15868	5.289		187.6		14285	4.762		187.9	
	6420		648			5830		651		
	5772		649			5179		648		
	5123		297			4531		299		
3	17315	5.772		317.5		15540	5.180		317.8	
	4716		648			6114		648		
	4068		648			5466		650		
	3420		296			5516		298		
4	12204	4.068		446.7		18496	6.165		447.6	
	5366		649			5503		650		
	4717		649			4653		652		
	4068		298			4001		1302		
5.	14151	4.717		596.7		13957	4.650		597.9	
		25.701					25.364			

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

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 11:05 Rod No. 788

Name L. A. Co. Precise Level Ctr.
Job No. 4923
From BM 4-10 To BM 4
Date 7-5-51
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
	5214	25.701	646	5767		4914	25.304	651	5778	
	5168		645			4263		651		
	4523		594			3612		502		
6	15505	5168		7050		12789	4263		7080	
	5875		648			5229		644		
	5227		645			5185		644		
	4582		593			4541		598		
7.	15684	5228		8351		15555	5185		8368	
	5517		646			7411		649		
	4868		646			6762		648		BM 4-9 (Lake Tree G-7)(5) 1.71
	4222		593			6114		597		SEE F.B. 1205-14
8	14607	4869		9646		20287	6762		9665	FOR DESCRIPTION
										SUMMATION OF NON
					722					BM 4-10 TO BM 4-9
										TOTAL BACKSIGHTS + 40.96 ✓
										- FORESIGHTS - 41.57 ✓
										DIFF IN ELEVATION - 0.6 ✓
		40.962					41.574			

F.B. 1205 PG. 86

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:00-1:30 P.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4[illegible]3
From BM 4-10 To BM 4-9
Date 9-5-51
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
	6348		291		#7	5101		294		B.M 4-10 (WHITTIER F[illegible]) (S 1830)
	6057		291			4807		294		SEE F.B. 1205-15
	5766		582 ✓			4513		588 ✓		FOR DESCRIPTION
1	18171 ✓	6.057 ✓		58.2 ✓	82°	14421 ✓	4.807 ✓		58.8 ✓	
	5837		646			5314		647		
	5191		645			4667		646		⊼ G.E. DRAIN
	4546		1291 ✓			4021		1293 ✓		
2	15574 ✓	5.191 ✓		1873 ✓		14002 ✓	4.667 ✓		1881 ✓	
	6427		648			5837		649		
	5779		650			5188		649		
	5129		1298 ✓			4539		1298 ✓		
3	17335 ✓	5.778 ✓		3171 ✓		15564 ✓	5.188 ✓		3179 ✓	
	4502		649			6603		648		
	3853		647			5955		649		
	3206		1296 ✓			5306		1297 ✓		
4	11561 ✓	3.854 ✓		446.7 ✓		17864 ✓	5.955 ✓		4476 ✓	
	5228		649			5164		650		
	4579		650			4514		651		
	3929		1299 ✓			3863		1301 ✓		
5	13736 ✓	4.579 ✓		5766 ✓		13541 ✓	4.514 ✓		5777 ✓	
		25.459 ✓					25.131 ✓			

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 1:00-1:30P Rod No. 1 & 8

Name L.A.Co PRECISE LEVEL NET
Job No. 4923
From BM 4-10 To BM 4-9
Date 9-5-51
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
	578.6	25.457	645	576.6		4891	25.131	651	577.7	
	5141		643			4240		651		
	4498		1288			3589		1302		
6	15425	5.142		7054		12720	4.240		7079	
	5827		653			5772		640		
	5174		652			5132		639		
	4522		1305			4493		1279		
7	15523	5.174		8359		15397	[illegible]		8358	
	5381		650			7279		647		
	4731		648			6[illegible]		64[illegible]		BM 4-9 (WHITTIER G-7) (SY 1171)
	4083		1298			5983		1296		SEE F.B. 1205-14
8	14195	4.732		9657	84°	19894	6.631		9654	FOR DESCRIPTION
										SUMMATION OF RUN BM 4-10 TO BM 4-9
										TOTAL BACKSIGHTS +40.507
										" FORESIGHTS -41.134
										DIFF IN ELEVATION -0.627
		40.507					41.134			

F.B. 1205 PG. 88

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 1:45-2:30PM Rod No. 7 & 8

Name L A CO PRECISE [illegible]
Job No. 4923
From BM 4-10 To [illegible] 4-11
Date 9-5-51
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
	5500		650		#7	5310		650		
	4850		648			4660		650		BM 4-10 (WHITTIER [illegible]) ([illegible])
	4202		1298			4010		1300		SEE F.B. 1205-[illegible]
1	14552	4.851		129.8	84°	13980	4.660		130.0	FOR DESCRIPTION
	5489		646			5848		647		
	4843		646			5201		649		⊼ G.E. DREIER.
	4197		1292			4551		1296		
2	14529	4.843		259.0		15601	5.200		259.6	
	5154		649			6194		645		
	4505		649			5549		646		
	3856		1298			4903		1291		
3.	13515	4505		388.8		16646	5.549		388.7	
	5333		647			5879		650		
	4686		645			5229		651		
	4041		1292			4578		1301		
4	14060	4.687		518.0		15686	5.229		518.8	
	5188		649			6129		650		
	4539		649			5479		649		
	3890		1298			4830		1299		
5.	13617	4.539		647.8		16438	5.479		648.7	
		23.425					26.117			

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. SHIMODA Time 1:45-2:30 PM Rod No. 7 & 8

Name LA COUNTY LEVEL NET
Job No. 4923
From BM 4-10 To BM 4-11
Date 9-5-51
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
	4546	23.425	651	647.8		5903	[illegible]	646	648.7	
	3895		650			5257		649		
	3245		601			4608		595		
6.	11686	3895		777.9		15768	5256		778.2	
	5682		644			5336		645		
	5038		647			4691		646		
	4391		1291			4047		1291		
7.	15111	5037		907.0		14074	4691		907.1	
	4711		653			5809		650		
	4058		656			5159		650		SUMMATION OF RUN
	3402		1309			4509		1300		BM 4-10 TO BM 4-11
8.	12171	4057		1037.9		15477	5159		1037.1	
	5077		650			5561		648		TOTAL BACKSIGHTS +46.054
	4427		650			4913		648		" FORESIGHTS −52.605
	3777		1300			4265		1296		DIFF IN ELEVATION −6.551
9.	13281	4427		1167.9		14739	4913		1166.7	
	6035		822			7293		824		
	5213		822			6469		823		BM 4-11 (WHITTIER E-7A)
	4391		1644			5646		1647		SEE F.B. 1005-16
10.	15639	5213		1332.3	85°	19408	6469		1331.4	FOR DESCRIPTION
		46054					52605			

F.B. 1005 PG. 40

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 8:50-9:30 A.M. Rod No. 7 & 8

Name L.A. Co PRECISE L[illegible] NE
Job No. 4923
From BM 4-11 To B[illegible] 4-10
Date 9-6-51
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
	7271		826		#7	6019		820		
	6453		823			5199		821		B.M. 4-11 (WHITTIER E-[illegible])
	5630		1649			4378		1641		SEE F.B. 1205-[illegible]
1	19362	6.454		164.9	66[illegible]	15596	5.1[illegible]		164.1	FOR DESCRIPTION
	5616		648			5149		650		
	4788		649			4499		649		⊼ G.E. DRIVEN
	4337		1297			3850		1299		
2	14963	4.988		2946		13498	4.499		2940	
	5729		651			4830		653		
	5278		650			4177		655		
	4[illegible]		1301			3520		1308		
3	15835	5.278		4247		12529	4.176		4248	
	5486		643			5836		645		
	4843		643			5[illegible]		645		
	4200		1286			4546		1290		
4	14529	4.843		5533		15573	5.191		5538	
	5981		651			4619		649		
	3331		650			3970		650		
	4681		1300			3340		1299		
5	15793	5.3[illegible]		6833		11909	3970		6837	
		26.894					23.035			

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 [illegible] Weather [illegible] Inst. No. 50010
Notes by S. Smith Time [illegible] Rod No. 7 E 8

Name L.A. Co. Precise Level [illegible]
Job No. 4900
From BM 4-11 To BM [illegible]
Date 9-6-81
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
	6143	36.84	646	[illegible]		[illegible]		651	[illegible]	
	5497		[illegible]			4851		642		
	4849		[illegible]			[illegible]		[illegible]		
6	16489	54.96	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	8137	
	5784		647			5243		[illegible]		
	5136		648			[illegible]		[illegible]		
	4488		[illegible]			[illegible]		[illegible]		
7	15408	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]		[illegible]			[illegible]		648		
	5510		647			[illegible]		[illegible]		
	4863		[illegible]			[illegible]		[illegible]		
8	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	SUM [illegible] OF RUN BM [illegible] TO BM 4-10
	5850		[illegible]			5492		647		TOTAL [illegible] 458.[illegible]
	5203		[illegible]			[illegible]		[illegible]		" FORESIGHTS 446.7
	4556		[illegible]			[illegible]		[illegible]		DIFF. [illegible] 6.5 ft.
9	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	
	5614		[illegible]			5861		649		
	4965		649			[illegible]		641		
	4317		[illegible]			4510		[illegible]		SM 2-10 (WITH NUMBER F-7) (SYMBOL [illegible])
10	14[illegible]	4.966	[illegible]	[illegible]	68°	15477	15[illegible]	[illegible]	3327	SEE F.B. 1205:15 FOR DESCRIPTION
		53.274					4.712			

F.B. 1205 PG. 92

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. 59010
Notes by S. SHINODA Time 2:45-3:25 P.M. Rod No. 7 & 8

Name LA Co. PRECISE LEVELING
Job No. 4925
From BM 4-11 To B.M. 2-11
Date 9-5-51
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
	5642		649		#7	7442		649		
	4993		647			6793		648		BM 4-11 (WHITTIER -7A)
	4346		1296			6145		1297		SEE F.B. 1105-16
1	14981	4.994		129.6	85°	30380	6.193		129.7	FOR DESCRIPTION
	4100		648			6083		644		
	3452		645			5439		648		T. G. E. DREIER
	2807		1293			4791		1292		
2	10359	3.455		258.9		16313	5.438		258.9	
	5169		651			5809		647		
	4518		651			5162		647		
	3867		1302			4515		1294		
3	13554	4.518		389.1		15486	5.162		388.3	
	5202		651			6207		648		
	4551		650			5559		649		
	3901		1301			4910		1297		
4	13654	4.551		519.2		16676	5.559		518.0	
	5452		646			6079		647		
	4806		647			5432		649		
	4159		1293			4783		1296		
5	14417	4.806		648.5		16294	5.431		647.6	
		22.322					28.383			

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

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 3:45-3:[illegible] PM Rod No. 7 E O

Name L.A. CO. PRECISE LEVEL [illegible]
Job No. 4723
From BM 4-11 To BM 2-11
Date 9-5-51
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
	4991	22.322	651	1648.5		5824	21.923	649	647.6	
	4340		648			5175		649		
	3691		1300			4526		1298		
6	13022	4341		7785		15525	5175		7774	
	5219		650			6141		645		
	4569		650			5496		647		
	3919		1300			4849		1292		
7	13707	4569		9085		16486	5495		9066	
	5422		652			6131		648		
	4770		651			5483		646		SUMMATION OF RUN
	4119		1303			4837		1294		BM 4-11 TO BM 2-11
8	14311	4770		10398		16451	5484		10360	
	4782		642			5581		661		TOTAL BACKSIGHTS + 44.5 - 2
	4140		642			4920		661		" FORESIGHTS - 55.640
	3498		1284			4259		1322		DIFF. IN ELEVATION - 11.1[illegible]
9	12420	4140		11672		15760	5[illegible]		11682	
	5140		760			6949		766		
	4380		760			6183		765		BM 2-11 (WHITTIER D-7)
	3620		1520			5418		1531		SEE F.B. 1203-18
10	13140	4380		1319.2	85°	18550	6183		1321.3	FOR DESCRIPTION
		44.522					55.640			

F.B. 1205 PG. 94

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 3:30 - 3:40 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NO.
Job No. 4923
From BM 2-11 To B.M. 4-11
Date 9-5-51
Indexed C. JOB...

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
	6927		768		#7	5118		760		
	6159		767			4358		760		BM 2-11 (WHITTIER D-7)
	5392		1535			3598		1520		SEE F.B 1203
1.	18478	6159		153.5	85°	13074	4358		152.0	FOR DESCRIPTION
	5709		656			4920		648		
	5053		654			4272		646		⊼ G. E. DREIER
	4399		1310			3626		1294		
2	15161	5.054		284.5		12818	4.273		281.4	STOPPED 3:40 PM 9-5-51
	6246		647			5535		653		
	5591		648			4882		652		WEATHER - CLOUDY
	4951		1295			4230		1305		BEGAN 8:[illegible] AM 9-5-51
3	16796	5.599		414.0	66°	14647	4.882		411.9	
	6167		648			5239		648		
	5519		648			4591		646		
	4871		1296			3945		1294		
4.	16557	5519		543.6		13775	4592		541.3	
	5750		647			4921		651		
	5103		646			4270		653		
	4457		1293			3617		1304		
5	15310	5.103		672.9		12808	4269		671.7	
		27434					22374			

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

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 Cloudy Inst. No. 50010
Notes by S. Shimoda Time 8:30 - 8:50 AM Rod No. 7E 8

Name L.A. Catholic Levee
Job No. 4728
From BM 6-11 To BM 4
Date 7-6-51
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
6	6222 5574 4928	5.484	646 646	1292		5047 4401 4301	4674	646 646 1292	2584	
7	6176 5529 4881		647 647	1294		5172 4521 3870		651 651 1302	2317	
8	6033 5382 4731		651 651 1302	1953		5381 4730 4079		651 651 1302	1061	See record of Rod BM 4-11 to BM 4-11
9	6123 5477 4831		646 646 1292	1938		4138 3843 3543		297 297 595	1191.4	Total Backsights 56.215 " Foresights - 45.088 Diff. in Elevation + 11.127
12	7421 6775 6129	6.825	646 646 1292	1938		5670 5024 4378		646 646 1292	1322	BM 4-11 (new tier B.M.) See B.O. 14-516 Inv. Dis. Section
F.B. 1205 PG. 56		56.215					45.088			

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 9:45-11:10AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELING
Job No. 4923
From BM 2-11 To BM 4-12
Date 9-5-51
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
	6728		645		#7	6254		647		BM 11 (WHITTIER D-1)
	6083		643			5607		641		SEE F.B. 1203-18
	5440		1288			4958		1296		FOR DESCRIPTION
1	18251	6.084		1288	66°	16819	5.606		1296	
	5373		646			6033		645		
	4727		647			5388		647		⊼ G.E. PRECISE
	4080		293			4741		1292		
2	14180	4.727		2521		16162	5.387		2588	
	5631		651			8422		648		
	4980		651			7774		648		
	4329		1302			7126		1296		
3	14940	4.980		3883		23322	7.774		3884	
	2284		647			9426		652		
	1637		648			8774		652		
	0989		1295			8122		1304		
4	4910	1.637		5178		26322	8.774		5188	
	3286		647			6790		649		
	2639		649			6141		650		
	1990		1296			5493		1299		
5	7915	2.638		6474		18422	6.141		6487	
		20.066					33.682			

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. 50010
Notes by S. SHINODA Time 9:45-11:10 [illegible] Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL [illegible]
Job No. 4923
From BM 2-11 To BM 4[illegible]
Date 9-6-51
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
	5013	20.066	648	647.4		6668	33.682	647	648.7	
	4365		650			6019		649		
	3715		298			5370		298		
6	15073	4.364		777.2		18057	6.019		778.5	
	4629		647			6415		651		
	3982		644			5764		650		
	3338		1211			5[illegible]		1303		
7	11949	3.983		906.3		17291	5.764		908.8	
	6513		654			5479		645		
	5859		657			4854		644		
	5202		1311			4210		1289		
8	17574	5.858		1037.4		14563	4.854		1037.7	
	6346		653			4956		649		
	5693		650			4307		648		
	5043		[illegible]			365[illegible]		1297		
9	17082	5.694		[illegible]		12922	[illegible]		1167.4	
	6828		650			5244		647		
	6178		651			4595		648		
	5527		1301			3[illegible]7		1297		
10	18533	6.178		1237.8		13786	4.595		1237.1	
		46.143					57.[illegible]21			

F.B. 1205 PG. 98

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:45-11:40 AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. [illegible]
From BM 2-11 To B 4-12
Date 9-6-51
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
	6303	46.143	646	1297.8		5903	59.221	646	1297.1	
	5677		648			5257		648		
	5029		1294			4609		1294		
11	17029	5.676		1427.2		15769	5.256		1426.5	
	6190		647			5675		652		
	5543		646			5023		651		
	4877		1293			4372		1303		
12	16630	5.543		1556.5		15070	5.023		1556.8	
	6147		647			4623		646		
	5500		647			3977		648		SUMMATION OF [illegible]
	4853		1294			3329		1294		BM 2-11 TO B[illegible]
13	16500	5.500		1685.9		11929	3.776		1686.2	
	7251		650			4582		650		TOTAL BACKSIGHTS [illegible]
	6601		650			3932		650		" FORESIGHTS [illegible]
	5951		1300			3282		1300		DIFF. IN ELEVATION [illegible] 8.620
14	19803	6.601		1815.9		11796	3.932		1816.2	
	5309		615			6029		598		
	4681		613			5431		601		BM 4-12 (WHITE [illegible])
	4081		1228			4830		1199		SEE F.B. 1205-17
15	14084	4.695		1938.7	68°	16290	5.430		1936.1	FOR DESCRIPTION
		74.158					82.838			

F.B. 1205 PG. 99

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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 R. 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. 1205 PG. 100										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20-3:30 PM Rod No. 7 & 8

Name L.A. Co. PRECISE L[illegible]
Job No. 4925
From BM 4-12 To [illegible] 2:11
Date 9-6-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6021		607		#7	5532		606		
	5462		608			4926		607		BM 4-12 (WHITTIER 5-7) (S 134)
	4854		1215			4119		1213		SEE F.B. 1205-[illegible]
1	16385	5.462		1215	84°	14177	4.726		1213	FOR DESC. [illegible]
	4528		651			7196		648		
	3877		651			6549		647		T. G.E. DREIER
	3226		1302			5901		1295		
2	11631	3.877		2517		19645	6.548		2508	
	4603		646			6131		648		
	3957		647			5483		646		
	3310		1293			4837		1294		
3	11870	3.957		3810		16451	5.484		3802	
	5564		648			6085		649		
	4916		648			5436		650		
	4268		1296			4786		1299		
4	14748	4.916		5106		16307	5.436		5106	
	5742		649			6363		645		
	5093		647			5718		647		
	4446		1296			5071		1292		
5	15281	5.094		6402		17152	5.717		6398	
			25502					27911		

F.B. 1205 PG. 101

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 2:20-3:3 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-12 To BM 2-11
Date 9-6-51
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
	5263	23.506	650	640.2		6843	28.911	649	639.3	
	4613		649			6194		649		
	3964		1299			5545		1298		
6	13840	4.613		7701		18582	6.194		7691	
	4969		650			6359		650		
	4319		650			5709		649		
	3669		1300			5060		1299		
7.	12957	4319		9001		17128	5.709		8990	
	5618		649			6621		650		
	4969		650			5971		650		
	4319		1299			5321		1300		
8.	14906	4.969		10300		17913	5.971		10290	
	6369		650			4589		647		
	5719		650			3942		650		
	5069		1300			3292		1297		
9.	17157	5.719		11600		11823	3.941		11587	
	6753		650			5095		647		
	6103		652			4448		648		
	5451		1302			3800		1295		
10.	18307	6.102		12902		13343	4.448		12882	
		49.228					54.174			

F.B. 1205 PG. 102

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. HAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20-3:30 PM Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4923
From BM 4-12 To BM 2-11
Date 9-6-51
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
	6689	49.228	648	1290.2		3191	54.174	651	1288.2	
	6041		646			2540		652		
	5395		1294			1888		1303		
11	18125	6.042		14196		7619	2.540		14185	
	9327		652			2187		648		
	8675		653			1539		648		
	[illegible]		1305			0891		296		
12	26024	8.675		15501		4617	1.539		15481	
	8321		651			5525		649		
	7670		651			4876		648		SUMMATION OF R[illegible]
	7011		1302			4228		1297		B.M. 4-12 TO B.M. 2-1
13	23010	7.670		16803		14629	4.876		16778	
	6030		645			5374		647		
	5385		645			4727		647		TOTAL BACKSIGHTS + [illegible]
	4740		1290			4080		1294		" FORESIGHTS - [illegible]
14	16155	5.385		18093		14181	4.727		18072	DIFF IN ELEVATION + [illegible] 663
	6151		651			6626		645		
	5500		651			5981		646		B.M. 2-11 (WHITTIER [illegible])
	4849		1302			5335		1291		SEE F.B. 1203-1[illegible]
15.	16500	5.500		19395	83°	17942	5.981		19363	FOR DESCRIPTION
		82500					73.837			

F.B. 1205 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 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 CLEAR Inst. No. 50010
Notes by S. SANDERS Time 11:05 - 1:30 PM Rod No. 7 & 8

Name L.A. Co. Rec. Elev. - NGS
Job No. 4923
From BM 2-11 To BM 4-12
Date 9-7-51
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
	6621		646		#7	6205		652		
	6035		646			5553		651		BM 2-11 (WHITTIER & [illegible])
	5389		292			4902		1303		SEE F.B. 1-102-18
1	18105	6.035		129.2	78°	16660	5.553		130.3	FOR DESCRIPTION
	5801		648			5922		649		
	4953		647			5313		649		T.G.E. DRAIN
	4006		295			4664		1298		
2	15960	4.653		258.7		15939	5.313		260.1	
	5572		652			8359		647		
	4920		654			7712		645		
	4266		1306			7067		1292		
3	14758	4.919		389.3		23158	7.713		389.3	
	2156		649			9499		650		
	1508		647			8641		650		
	0861		295			7999		1300		
4	45255	1.508		518.8		25947	8.649		519.3	
	3843		646			6850		650		
	2697		646			6200		650		
	2051		1292			5550		1300		
5	20911	2.097		648.0		17600	6.200		649.3	
		17.812					33.428			

F.B. [illegible] PG. 105

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 11:05-1:30 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 2-11 To BM 4-12
Date 9-7-51
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
	5519	19.812	648	648.0		6963	5.408	647	647.3	
	4662		649			6316		647		
	4013		1297			5669		1294		
6	13185	4.662		777.7		18946	6.315		778.7	
	4637		648			6418		647		
	3989		648			5771		647		
	3541		1296			5124		1294		
7	11967	3.989		907.3		17313	5.771		908.3	
	6693		649			5689		650		
	6044		651			5039		650		
	5393		1300			4389		1300		
8	18130	6.043		1037.5		15117	5.039		1038.3	
	6485		649			5094		649		
	5836		649			4445		649		
	5124		1301			3796		1298		
9	17505	5.835		1167.4		13335	4.445		1168.1	
	6865		650			5283		647		
	6215		650			4636		647		
	5565		1300			3987		1294		1 HOUR FOR LUNCH
10	18645	6.215		1297.4	80°	13906	4.635		1297.7	
		46.556					54.033			

F.B. 1205 PG. 106

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Hammond Weather CLEAR Inst. No. 500010
Notes by S. Sandoval Time 11:05-1:30 P.M. Rod No. 7 & 8

Name L.A. Co. Engineering Div.
Job No. 4933
From BM 2-11 To BM 4-12
Date 9-7-51
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
	6320	4655	647	1297.4		5901	5.632	650	1297.7	
	5673		645			5251		650		
	5028		1292			4601		1300		
11	17021	5.674		17266	86°	15753	5.251		14277	
	6067		649			5550		650		
	5418		649			4900		650		
	4769		1298			4250		1300		
12	16254	5.412		15564		14700	4.900		15577	
	6110		648			4592		646		
	5462		647			3936		648		SUMMATION [illegible]
	4813		1295			3288		1294		BM 2-11 TO [illegible]
13	16385	5.462		16861		11816	3.935		16871	
	7230		650			4559		649		
	6580		650			3910		650		TOTAL BACKSIGHTS + 75.433
	5930		1300			3260		1299		" FORESIGHTS − 84.110
14	19740	6.580		18161		11729	3.910		18179	DIFF IN ELEVATION − 8.677
	6348		605			7090		599		
	5743		604			6481		600		BM 4-12 (WHITTIER & [illegible])
	5139		1209			5881		1199		SEE F.B. 1205-17
15	17230	5.743		19370	86°	19442	6.481		19369	FOR DESCRIPTION
		75.433					84.110			

F.B. 1205 PG. 107

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..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 108										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Waumann Weather CLEARING Inst. No. 50010
Notes by S. Shinoda Time 11:15-12:10PM Rod No. 7 & 8

Name L.A. Co. Pub. Works
Job No. 4925
From BM 4-12 To S. 4-13
Date 9-6-51
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
	5556		661		#7	5446		648		
	4895		662			4798		649		BM 4-12 (WHITTIER 1 (S 1134))
	4233		1323			4149		1297		SEE F.B. 1205-1
1.	13184	4.395		1323	68°	14393	4.718		1297	FOR DESCRIPTION
	4891		647			5512		648		
	4244		646			4864		647		π G.E. DAGLER
	3592		1293			4217		1295		
2.	12727	4.244		2616		14593	4.864		2592	
	6212		641			6179		648		
	5568		644			5531		647		
	4928		1298			4884		1295		
3	16689	5.563		3914		16594	5.531		3887	
	5524		651			5203		649		
	4873		650			4554		648		
	4222		1301			3906		1297		
4	14620	4.873		5215		13663	4.554		5184	
	5809		653			5814		646		
	5156		652			4668		646		
	4504		1305			4022		1292		
5	15469	5.156		6520		14504	4.668		6476	
		24.291					24.455			

F.B. 1205 PG. 109

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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:15-12:00 Rod No. 7.5.8

Name L.A. Co. PRECISE LEVELING
Job No. 49-[illegible]
From BM 4-12 To BM 4-[illegible]
Date 7-6-51
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
	5941	[illegible]	649	[illegible]		5621	[illegible]	649	647.6	
	5292		649			5022		649		
	4643		1298			4373		1298		
6	15876	5292		7818		15076	[illegible]		7774	
	6018		632			5192		660		
	5386		638			4532		661		
	4748		[illegible]			3871		1321		
7	16144	5381		9092		13615	4538		9015	
	5751		652			5110		647		
	5099		651			4463		648		
	4448		1303			3815		1295		
8	15298	5099		10395		13388	4463		10390	
	6311		659			5267		652		
	5652		659			4615		653		
	4993		1318			3962		1305		
9	16956	5652		11713		13744	4581		11695	
	6082		651			5219		640		
	5431		654			4579		641		
	4777		1305			3938		1285		
10	16290	5430		13015		13736	4579		12978	
		51085					45340			

F.B. 1205 PG. 110

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party L. E. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time [illegible]15-12:10 PM Rod No. 7 & 3

Name L.A. Co. PRECISE [illegible]
Job No. 4[illegible]
From BM 4-12 To B 4-13
Date 9-6-51
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
	6592	51.085	451	1301.8		4402	47.640	472	1297.8	
	6141		453			3930		472		
	5688		904			3458		944		
11	18421	6.140		13922		11790	3.930		13922	
	7573		463			4862		462		B.M 4-13 (WHITTIER [illegible]-6A)
	7110		463			4400		462		SEE F.B. 1205-1
	6647		926			3938		924		FOR DESCRIPTION
12	21330	7.110		14848	78°	13200	4.400		14846	
										SUMMATION OF [illegible] BM 4-12 TO B.M. 4-13
										TOTAL BACKSIGHTS + 6[illegible]
										" FORESIGHTS - 5[illegible]
										DIFF IN ELEVATION + [illegible]365
		64.335					55.970			

F.B. 1205 PG. 111

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 112										

FORM 373 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 1:25-2:20 PM Rod No. 7 & 8

Name L. A. Co. Precise Level Net
Job No. 4923
From BM 4-13 To B 4-12
Date 9-6-51
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
	4842		460		#7	7557		466		
	4382		461			7091		464		BM. 4-13 (Wa[illegible])
	3921		921 ✓			6627		930 ✓		SEE F.B. 1205 18
1	13145 ✓	4.382 ✓		92.1 ✓	84°	21275 ✓	7092 ✓		93.0 ✓	FOR DESCRIPTION
	4372		465			6597		458		
	3927		466			6139		461		π. G. E. DREIER
	3481		931 ✓			5678		9[illegible] ✓		
2	11780 ✓	3.127 ✓		185.2 ✓		18414 ✓	6.138 ✓		184.9 ✓	
	5343		640			6196		637		
	4703		640			5559		638		
	4063		1280 ✓			4921		1275 ✓		
3	14109 ✓	4.703 ✓		313.2 ✓		16676 ✓	5.559 ✓		312.4 ✓	
	5292		649			6341		660		
	4643		650			5681		660		
	3993		1299 ✓			5021		1320 ✓		
4	13928 ✓	4.643 ✓		443.1 ✓		17043 ✓	5.681 ✓		444.4 ✓	
	5213		651			5849		649		
	4562		650			5200		650		
	3912		1301 ✓			4550		1299 ✓		
5	13687 ✓	4.562 ✓		573.2 ✓		15599 ✓	5.200 ✓		574.3 ✓	
		22.217 ✓					29.670 ✓			

F.B. 1205 PG. 113

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. SHINOGA Time 1:25-2:20 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL [illegible]
Job No. 4925
From BM 4-13 To BM 4-[illegible]
Date 7-6-51
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
	5249	22217	646	573.2		6092	29270	649	574.3	
	4603		647			5443		648		
	3954		1295			4795		1297		
6	13806	4602		7027		16330	5443		7040	
	5686		649			5942		649		
	5037		649			5293		647		
	4388		1298			4646		1296		
7	15111	5037		8325		15881	5294		8336	
	5522		649			6015		650		
	4879		648			5365		649		
	4231		1297			4716		1299		
8	14638	4879		9622		16096	5365		9635	
	5205		651			5530		651		
	4554		649			4879		652		
	3905		1300			4227		1303		
9	13664	4555		10922		14636	4879		10938	
	6119		653			6141		643		
	5466		653			5498		646		
	4813		1306			4855		1289		
10	16398	5466		12228		16491	5497		12227	
		46756					56148			

F.B. 1205 PG. 114

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 1:25-2:20 PM Rod No. 7 & 8

Name L.A. Co. Precise Level No.
Job No. 4923
From BM 4-13 To BM 4-12
Date 9-6-51
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
	6046	46.756	650	1222.8		5425	56.148	647	1222.7	
	3396		649			4778		649		
	4747		1299			4129		1296		
11	16189	53.96		13527		14332	4.777		13523	
	5611		651			5221		664		BM 4-12 (Wa[illegible]) 13[illegible]
	4960		651			4557		665		SEE F.B. 1205-17
	4309		1302			3892		1329		FOR DESCRIPTION
12	14880	4.960		14829	84°	13670	4.557		14852	
										SUMMATION OF [illegible] BM 4-13 TO BM [illegible]
										TOTAL BACKSIGHTS + 57.112
										" FORESIGHTS − 65.482
										DIFF IN ELEVATION − 8.370
		57.112					65.482			

F.B. 1205 PG. 115

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 116										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE LE[illegible] NET
Job No. 4923
From BM 4-13 To B[illegible] 4-14
Date 9-7-51
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
	8037		477		#7	5531		473		
	7560		476			5058		475		BM 4-13 (WHITTIER A[illegible])
	7084		953			2513		948		SEE F.B. 1205-[illegible]
1.	22681	7.560		95.3	72°	9172	3.057		94.8	FOR DESC[illegible]
	6851		628			6116		626		
	6223		626			5490		626		⊼ G.E. DREIER
	5597		1254			4864		1252		
2	18671	6.224		220.7		16470	5.490		220.0	
	5244		631			8708		627		
	4613		633			8081		629		SUMMATION OF [illegible]
	3980		1264			7452		1256		BM 4-13 TO BM [illegible]-14
3	13837	4.612		347.1		24241	8.080		345.6	
	3702		650			7461		650		TOTAL BACKSIGHTS [illegible]
	3052		650			6811		650		" FORESIGHTS [illegible]
	2402		1300			6161		1300		DIFF. IN ELEVATION [illegible]
4	9156	3.052		477.1		20433	6.811		475.6	
	5490		809			6368		807		
	4681		810			5561		809		B.M. 4-14 (WHITTIER A[illegible] (SY 1709)
	3871		1619			4752		1616		SEE F.B. 1205-19
5	14042	4.681		639.0	72°	16681	5.560		637.2	FOR DESCRIPTION
		26.129					28.998			

F.B. 1205 PG. 117

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:30 - 10:55 AM Rod No. 7 & 8

Name L.A. Co. Precise Level [illegible]
Job No. 4923
From BM 4-14 To BM 4-[illegible]
Date 9-7-51
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
	6279		810		#7	5394		806		
	5469		810			4588		807		BM 4-14 (WHITTIER A-6) (5[illegible])
	4659		1620 ✓			3781		1613 ✓		SEE F.B. 1205-19
1.	16407 ✓	5.469 ✓		1620 ✓	72°	13763 ✓	4.588 ✓		1613 ✓	FOR DESCRIPTION
	7474		654			3708		648		
	6820		653			3060		649		⊼ G.E. DREIER
	6167		1307 ✓			2411		1297 ✓		
2.	20461 ✓	6.820 ✓		2927 ✓		9179 ✓	3.[illegible] ✓		2910 ✓	
	8712		625			5257		638		
	8087		626			4619		636		SUMMATION OF RUN
	7461		1251 ✓			3983		1274 ✓		BM 4-14 TO BM 4-13
3	24260 ✓	8087 ✓		4178 ✓		13859 ✓	4.[illegible] ✓		4184 ✓	
	6034		627			6767		627		
	5407		628			6140		625		TOTAL BACKSIGHTS + 28.845 ✓
	4779		1255 ✓			5515		1252 ✓		" FORESIGHTS − 25.973 ✓
4	16220 ✓	5.407 ✓		5433 ✓		18422 ✓	[illegible] ✓		5436 ✓	DIFF. IN ELEVATION + 2.872 ✓
	3537		475			8040		476		
	3062		474			7564		476		BM 4-13 (WHITTIER A-6A)
	2588		949 ✓			7088		952 ✓		SEE F.B. 1205-18
5.	9187 ✓	3.062 ✓		6382 ✓	77°	22692 ✓	7.[illegible]64 ✓		6388 ✓	FOR DESCRIPTION
		28.845 ✓					25.973 ✓			

F.B. 1205 PG. 118

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. E. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:50 - 2:35 p.m. Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4723
From BM 4-14 To [illegible] 4-15
Date 9-7-51
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
	7229		649		#7	5697		649		
	6580		652			5048		650		BM 4-14 (WHITTIER 4-6) (SY 17.9)
	5928		1301			4398		1299		SEE F.B. 1-05-1
1.	19737	6.579		130.1	86°	15143	5.048		129.9	FOR DESCRIPTION
	5789		648			5802		642		
	5341		648			5160		642		T G.E. DREW
	4893		296			4518		1274		
2	16023	5.341		259.7		15480	5.160		258.3	
	6258		650			5902		647		
	5608		651			5255		647		
	4952		1301			4608		1294		
3	16818	5.603		389.8		15765	5.255		387.7	
	6267		652			5851		649		
	5615		649			5202		650		
	4966		301			4552		1299		
4	16848	5.616		517.9		15605	5.202		517.4	
	6172		644			5857		652		
	5528		648			5205		651		
	4880		292			4554		1303		
5	16580	5.527		649.1		15616	5.205		647.9	
		28.666					25.870			

F.B. 1205 PG. 119

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 1:50 - 2:35 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-14 To BM 4-15
Date 9-7-51
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
	6087	28.666	647	649.1		5602	25.870	645	647.9	
	5440		649			4757		647		
	4791		1296			4310		1292		
6	16318	5.439		7787		14869	4.956		7771	
	6112		644			4841		646		
	5468		647			4195		646		SUMMATION OF RUN
	4821		1291			3549		1292		BM 4-14 TO BM 4-15
7	16401	5.467		9078		12585	4.195		9063	
	6981		650			6215		646		TOTAL BACKSIGHTS +49.921
	6331		649			5567		641		" FORESIGHTS -47.338
	5682		1299			4920		1293		DIFF IN ELEVATION +2.583
8	18994	6.331		10377		16700	5.567		10356	
	4708		690			7439		689		
	4018		690			6750		689		BM 4-15 (BELL L-6)(SY16..)
	3328		1380			6061		1378		SEE F.B. 1205-20
9	12054	4.018		11757	86°	20250	6.750		1173.4	FOR DESCRIPTION
		49.921					47.338			

F.B. 1205 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 9:30-10:05 Rod No. 7 & 0

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From BM 4-15 To [illegible]
Date 9-11-51
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
	7445		689		#7	4702		680		
	6756		689			4022		680		BM 4-15 (BELL [illegible] (SY160)
	6067		1378			3342		1360		SEE F.B. 1-25-[illegible]
1.	20268	6.756		137.8	65°	12066	4.022		136.0	FOR DESCRIPTION
	5595		649			6359		648		
	4946		648			5711		650		⊼ H.F. NAUMANN
	4298		1297			5061		1298		
2.	14839	4.946		2675		17131	5.710		2658	
	4946		648			6211		643		
	4298		647			5568		645		
	3651		1295			4923		1288		
3.	12895	4.298		3970		16702	5.567		3946	
	5577		641			6072		654		
	4936		638			5418		654		
	4298		1279			4764		1308		
4.	14811	4.937		5249		16254	5.418		5254	
	5883		650			6203		647		
	5233		650			5556		648		
	4583		1300			4908		1295		
5.	15699	5.233		6549		16667	5.556		6549	
		26170					26273			

F.B. 1205 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 [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:30-10:05 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-15 To BM 4-[illegible]
Date 9-11-51
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
	5882	26.170 ✓	650	654.9 ✓		6291	26.[illegible]13 ✓	649	654.9 ✓	
	5232		650			5642		649		
	4582		1300 ✓			4993		1298 ✓		
6	15696 ✓	5.232 ✓		7849 ✓		16926 ✓	5.642 ✓		7847 ✓	
	5788		645			6138		641		
	5143		646			5489		650		SUMMATION OF RUN
	4497		1291 ✓			4839		1299 ✓		BM 4-15 TO BM 4-14
7	15428 ✓	5.143 ✓		9140 ✓		16466 ✓	5.489 ✓		9146 ✓	
	5784		644			5968		645		
	5140		644			5323		640		TOTAL BACKSIGHTS +46.74[illegible] ✓
	4496		1288 ✓			4677		1291 ✓		" FORESIGHTS -49.3[illegible] ✓
8	15420 ✓	5.140 ✓		10428 ✓		15968 ✓	5.323 ✓		10437 ✓	DIFF. IN ELEVATION - 2.57[illegible] ✓
	5709		653			7244		651		
	5056		651			6593		654		B.M. 4-14 (WHITTIER A-6)(S1[illegible]09)
	4405		1304 ✓			5939		1305 ✓		SEE F B 1205-19
9	15170 ✓	5.057 ✓		11732 ✓	66°	19776 ✓	6.592 ✓		11742 ✓	FOR DESCRIPTION
		46.742 ✓					49.319 ✓			

F.B. 1205 PG. 22

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20-3:25 PM Rod No. 7 & 8

Name L. A. Co. [illegible]
Job No. 4925
From BM 4-15 To B 4-16
Date 9-7-51
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
	5387		658		#7	6642		651		
	4729		656			5991		652		B.M 4-15 (BELL L-6) (SY1602)
	4073		1314			5337		1303		SEE F.B. 1205-2[illegible]
1.	14189	4730		131.4	86°	17972	5.991		130.3	FOR DESCRIPTION
	4674		654			6630		647		
	4020		654			5983		645		⊼ G.E. DREIER
	3366		1308			5338		1292		
2	12060	4.020		262.2		17951	5.984		259.5	
	5051		694			5531		704		
	4357		697			4827		704		
	3660		1391			4123		1408		
3	13068	4.356		401.3		14481	4.827		400.3	
	6173		642			5931		651		
	5531		643			5280		651		
	4888		1285			4629		1302		
4	16592	5.537		529.8		15840	5.280		530.5	
	5823		647			5544		651		
	5176		648			4893		651		
	4528		1295			4242		1302		
5.	15527	5.176		659.3		14679	4.893		660.7	
		23.813					26.975			

F.B. 1205 PG. 123

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 2:20-3:25 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL LINE
Job No. 42-3
From BM 4-15 To BM 4-
Date 9-7-51
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
	5982	23.813	653.6593			5626	26.775	657660.7		
	5336		651			4969		656		
	4679		1304			4313		1313		
6	15997	5.330		7816		14908	4.969		7920	
	5776		645			5327		648		
	5131		644			4879		648		
	4487		1289			4231		1296		
7	15394	5.131		9105		14637	4.879		9216	
	5890		656			5570		648		
	5234		658			4922		645		
	4576		1314			4277		1293		
8	15700	5.233		10499		14769	4.923		10509	
	5957		648			5678		650		
	5309		649			5028		650		
	4660		1297			4378		1300		
9	15926	5.309		11796		15084	5.028		11809	
	6142		650			5751		641		
	5492		650			5110		641		
	4842		1300			4469		1282		
10	16476	5.492		13099		15330	5.110		13091	
		50308					51.994			

F.B. 1205 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20 - 3:25 PM Rod No. 7 & 8

Name L. A. Co. [illegible]
Job No. 4923
From BM 4-15 To B 4-16
Date 9-7-51
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
	5664	50308 ✓	825	1309.6 ✓		6302	51.884 ✓	833	1309.1 ✓	
	4839		828			5469		834		B.M 4-16 (BELL K 5A)
	4011		1653 ✓			4635		1667 ✓		SEE F.B. 1205-[illegible]
11	14514 ✓	4.838 ✓		1474.9 ✓	86°	16406 ✓	5.469 ✓		1475.8 ✓	FOR DESCRIPT[illegible]
										SUMMATION OF RUN B.M 4-15 TO B[illegible]
										TOTAL BACKSIGHTS [illegible] 5.146 ✓
										" FORESIGHTS [illegible] 7.353 ✓
										DIFF. IN ELEVATION -2.207 ✓
		55.146 ✓					57.353 ✓			

F.B. 1205 PG. 125

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 126										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. 50016
Notes by S. SHINODA Time 8:30 - 9:25 AM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From B.M. 4-16 To B.M. 4-5
Date 9-11-51
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
	6252		831		#7	5619		826		
	5422		834			4793		825		B.M. 4-16 (BE[illegible]
	4588		1665 ✓			3968		1651 ✓		SEE F.B. 12[illegible]5 2
1.	16263 ✓	5.421 ✓		166.5 ✓	63°	14380 ✓	4.793 ✓		165.1 ✓	FOR DESCRIPTION
	5693		641			6084		652		
	5052		641			5432		652		T. G.E. DREIER
	4411		1282 ✓			4780		1304 ✓		
2	15156 ✓	5.052 ✓		294.7 ✓		16296 ✓	5.432 ✓		295.5 ✓	
	[illegible]		[illegible]			6043		646		
	5112		650			5397		649		
	[illegible]		1300 ✓			4748		1295 ✓		
3	15336 ✓	5.112 ✓		424.7 ✓		16188 ✓	5.396 ✓		425.0 ✓	
	5639		[illegible]			[illegible]		653		
	4990		649			5300		[illegible]		
	[illegible]		1298 ✓			[illegible]		1305 ✓		
4.	14970 ✓	4.990 ✓		554.5 ✓		15901 ✓	5.300 ✓		555.5 ✓	
	[illegible]		645			5856		647		
	[illegible]		647			[illegible]		647		
	[illegible]		1292 ✓			4562		[illegible] ✓		
5	14875 ✓	4.958 ✓		683.7 ✓		15627 ✓	5.209 ✓		684.9 ✓	
		15.533 ✓					26.130 ✓			

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 8:30-9:25 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Set
Job No. 4923
From BM 4-16 To BM 4-
Date 9-11-51
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
	5659	[illegible]	658	[illegible]		6019	[illegible]	650	[illegible]	
	5001		657			5363		651		
	4344		1315			4712		1301		
6.	15004	5.001		8152		16088	5.363		8150	
	5509		651			5788		649		
	4858		651			5139		651		
	4207		1302			4488		1300		
7.	14574	4.858		9454		15415	[illegible]		9450	
	5911		649			6162		644		
	5270		[illegible]			5518		647		
	4620		[illegible]			4871		1291		
8.	15809	5.270		10753		16551	[illegible]		10741	
	5877		692			5419		707		
	5183		692			4712		704		
	4491		1386			4008		1411		
9	15551	5.184		12139		14139	4.713		12152	
	6601		645			4648		655		
	5956		645			3993		654		
	5311		[illegible]			3339		1309		
10	17868	5.956		13421		11980	[illegible]		13461	
		51.802					50.154			

F.B. 1205 PG. 128

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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 8:30-9:25 AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. [illegible]
From BM 4-16 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
	66[illegible]	51.802	651	1342.9		5433	50.854	654	1346.1	
	6040		651			4779		657		BM 4-15 (Bell L-6) ([illegible])
	5389		1302			4122		1311		See F.B. 1-[illegible]
[illegible]	18120	60.1[illegible]		1473.1	65°	14334	4.778		1477.2	For description
										Summary [illegible] BM 4-16 to [illegible]
										Total backsights [illegible]
										" foresights [illegible]
										Diff. in elevation [illegible]
		57.84[illegible]					55.63[illegible]			

F.B. 1705 PG. 19

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 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 SHINODA Time 10:15-11:05 AM Rod No. 7 & 8

Name L.A. Co. Re[illegible]
Job No. 4723
From BM 4-16 To [illegible]
Date 9-11-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7093		648		#7	5289		647		
	6445		651			4640		648		BM 4-16 (BELL [illegible])
	5794		199			3992		1297		SEE F.B. 1-05
1.	19332	6.444		129.9	66°	13921	4.640		129.7	FOR DESCRIPTI[illegible]
	7064		644			5165		645		
	6420		647			4518		647		T. H. F. NAU[illegible]
	5773		291			3871		1292		
2	19257	6.419		259.0		13552	4.517		258.9	
	6826		654			5029		645		
	6172		654			4384		645		
	5518		308			3739		1290		
3.	18516	6.172		389.8		13152	4.384		387.9	
	6268		644			4897		645		
	5624		643			4252		648		
	4981		1287			3604		1293		
4	16873	5.624		518.5		12753	4.251		517.2	
	5602		653			6398		645		
	4955		654			5753		643		
	4301		1307			5110		1288		
5.	14864	4.955		649.2		17261	5.754		646.0	
		29.644					23.546			

F.B. 1205 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:15-11:05 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-16 To BM 4-
Date 9-11-51
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
	5179	29.614	646	649.2		6054	23.546	654	646.0	
	4533		645			5400		652		
	3888		1291			4748		1306		
6	13600	4.533		7783		16202	5.401		7766	
	5159		640			6143		643		
	4519		640			5500		641		
	3879		1280			4859		1284		
7	13557	4.519		9063		16502	5.501		9050	
	5178		647			6307		646		
	4531		644			5661		647		
	3887		1291			5014		1293		
8	13596	4.532		10354		16982	5.661		10343	
	5613		630			5684		648		
	4983		630			5036		647		
	4353		1260			4389		1295		
9	14949	4.983		11614		15109	5.036		11638	
	6121		596			5323		581		
	5525		599			4742		583		
	4926		1195			4159		1164		
10	16572	5.524		12809		14224	4.741		12802	
		53.705					49.886			

F.B. 1205 PG. 132

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:15 - 11:05 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-16 To [illegible] 4-17
Date 9-11-51
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
	6408	53.705 ✓	644	1280.9 ✓		6044	49.886 ✓	638	1280.2 ✓	
	5764		647			5406		639		BM 4-17 (BELL [illegible])
	5117		1291 ✓			4767		1277 ✓		SEE F.B. 1-05 [illegible]
11.	17289 ✓	5.763 ✓		1410.0 ✓	70°	16217 ✓	5.406 ✓		1407.9 ✓	FOR DESCRIPTION
										SUMMATION OF [illegible] BM 4-16 [illegible]
										TOTAL BACKSIGHTS 59.46[illegible] ✓
										" FORESIGHTS 55.29[illegible] ✓
										DIFF. IN ELEVATION 4.17[illegible] ✓
		59.468 ✓					55.292 ✓			

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 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. 1205 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:10-11:55 A.M. Rod No. 7 E 8

Name A Co. [illegible]
Job No. [illegible]
From BM 4-17 To [illegible] 4-16
Date 9-11-57
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
	5945		638		#7	6313		646		
	5307		636			5667		647		B.M. 4-17 (BELL & 1)
	4671		1274			5018		1295		SEE F.B. 1205-[illegible]
1.	15923	5.308		127.4	70°	16978	5.666		129.5	FOR DESCRIPTION
	5[illegible]0		588			6066		592		
	4692		587			5474		593		
	4103		1175			4881		1185		
2	14075	4.692		245.1		16421	5.474		248.0	
	5604		656			5519		623		
	4948		656			4896		623		
	4292		1312			4273		1246		
3	14844	4.948		376.3		14688	4.896		372.6	
	6318		635			5199		654		
	5678		638			4545		652		
	5040		1273			3893		1306		
4.	17031	5.677		503.6		13637	4.546		505.2	
	6055		641			5077		645		
	5414		641			4432		645		
	4773		1282			3787		1298		
5	16242	5.414		631.8		13296	4.433		632.0	
		26.039					25.015			

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. Nauman Weather CLEAR Inst. No. 50010
Notes by J. Shindler Time 11:10-11:55 AM Rod No. 7 E 8

Name L. A. Co. Precise Level 1st
Job No. 4923
From B.M. 4-17 To B.M. 4
Date 9-11-51
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
	6057	26.03	648	6318		5193	[illegible]	653	6320	
	5409		647			4540		653		
	4762		295			3887		306		
6	16228	5.40		7613		13620	4.540		7626	
	6381		644			5572		652		
	5737		645			4940		652		
	5092		299			4288		304		
7	17210	5.737		8902		14720	4.540		8930	
	4919		646			6284		641		
	4272		648			5643		641		
	3624		294			5002		272		
8	12814	4.271		10196		16929	5.643		10212	
	5109		645			6704		651		
	4464		647			6253		654		
	3817		292			5599		305		
9	13390	4.463		11488		18556	6.252		11517	
	5224		646			7127		649		
	4578		645			6478		646		
	3933		294			5832		295		
10	13735	4.578		12779		19437	6.479		12812	
		50.497					5.861			

F.B. 1205 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:10 - 11:55 AM Rod No. 7 & 3

Name L.A. Co. Precise Level Net
Job No. 4725
From B.M. 4-17 To B.M. 4-16
Date 9-11-51
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
	5341	50.497	656	1277.9		7128	52.169	641	1281.2	
	4685		655			6487		644		B.M. 4-16 (BELL K 5A)
	4030		1311			5843		1285		SEE F.B. 1205
11	14056	4.685		14090	77°	19458	6.486		14097	FOR DESCRIPTION
										SUMMATION OF [illegible] B.M. 4-17 TO B.M. [illegible]
										TOTAL BACKSIGHTS = 55.182
										" FORESIGHTS = 59.355
										DIFF IN ELEVATION = 4.173
		55.182					59.355			

F.B. 1205 PG. 137

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1205 PG. 138										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAHMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10-3:45 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From 4-17 To 4-18
Date 9-11-51
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.	6728 6067 5403 18198	6.066	661 664 1325	132.5	86°	5244 4590 3937 13771	4.590	654 653 1307	130.7	BM 4-17 (BELL K-2) SEE F.B. 1205-2 FOR DESCRIPTION
2.	6320 5675 5029 17024	5.675	645 646 1291	261.6		6116 5471 4827 16414	5.471	645 644 1289	259.6	
3.	5911 5267 4620 15798	5.266	644 647 1291	390.7		6259 5602 4948 16809	5.603	657 654 1311	390.7	
4.	6111 5468 4822 16401	5.467	643 646 1289	519.6		6256 5603 4951 16810	5.603	653 652 1305	521.2	
5.	5777 5128 4481 15386	5.129	649 647 1296	649.2		5927 5280 4633 15840	5.280	647 647 1294	650.6	
		27.603					26.547			

F.B. 1205 PG. 139

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 1:10-3:45 Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 11923
From BM 4-17 To BM 4-[illegible]
Date 9-11-51
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
	5798	27.603	649	649.2		5287	26.547	649	652.6	
	5149		647			4638		650		
	4502		1296			3988		1299		
6	15449	5.150		7788		13913	4.[illegible]		7805	
	6190		650			7153		642		
	5540		650			6511		642		
	4890		1300			5869		1284		
7	16620	5.54[illegible]		9088		19533	6.511		9089	
	5183		650			4137		646		
	4533		652			3491		645		
	3881		1302			2846		1291		
8	13597	4.532		1039.0		10474	3.491		10380	
	9027		669			7211		655		
	8358		670			6556		655		
	7688		1339			5901		1310		
9	25073	8.358		1172.9		19668	6.[illegible]56		1169.0	
	3622		564			11404		564		
	3058		566			10840		566		
	2492		1130			10274		1130		
10	9172	3.057		1285.9		32518	10839		1282.0	
		54.240					58.582			

F.B. 1205 PG. 140

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10-3:45 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-17 To BM 4-18
Date 9-11-51
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
	2682	54.240	662	1285.9		7261	58.582	682	1282.0	
	2020		661			6579		679		
	1359		1323			5900		1361		
11.	6061	2.020		1418.2		19740	6.580		1418.1	
	10001		530			1529		500		
	9471		530			1029		500		
	8941		1060			0529		1000		
12	28413	9.471		1524.2		3087	1.029		1518.1	
	6829		642			5548		668		
	6187		643			4880		669		
	5544		1285			4211		1337		
13.	18560	6.187		1652.7		14639	4.880		1651.8	
	5425		638			3317		637		
	4787		638			2680		637		
	4149		1276			2043		1274		
14	14361	4.787		1780.3		8040	2.680		1779.2	
	9549		646			4213		610		
	8903		645			3603		610		
	8258		1291			2993		1220		STOPPED 3:45 PM 9-11-5
15	26710	8.903		1909.4	84°	10809	3.603		1901.2	
		85.608					77.354			

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. [illegible] Weather CLOUDY Inst. No. [illegible]
Notes by S. SHIMODA Time 8:15-8:50 AM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-17 To BM 4-[illegible]
Date 9-[illegible]-51
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7603	85.608	642	1909.4		3060	77.354	665	1901.2	
	6961		641			2397		666		
	6320		1283			1731		1329		
16	20884	6.961		2037.7	63°	7188	[illegible]96		2034.1	
	6320		636			6251		649		
	5684		635			5602		651		
	5049		1271			4951		1300		
17	17053	5.684		2164.8		16804	5.[illegible]01		2164.1	
	6741		648			5109		649		
	6093		646			4460		649		
	5447		1294			3811		1298		
18	18281	6.094		2294.2		13380	4.[illegible]60		2293.9	
	6612		645			5248		645		
	5967		646			4603		644		
	5321		1291			3959		1289		
19	17900	5.967		2423.3		13810	4.[illegible]03		2422.8	
	6139		650			5712		643		
	5489		649			5069		646		
	4840		1299			4423		1289		
20	16468	5.489		2553.2		15204	5.068		2551.7	
		115.803					9[illegible].[illegible]82			

F.B. 1205 PG. 142

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co PRECISE LEVEL NE
Job No. 4923
From BM 4-17 To B 4-18
Date 9-12-51
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
	6116	115.803	647	2553.2		5711	99.482	648	2551.7	
	5469		649			5063		650		
	4820		1296			4413		1298		
21	16405	5.468		26828		15187	5.062		26815	
	6040		648			5648		650		
	5392		645			4998		650		
	4747		1293			4348		1300		
22	16179	5.393		28121		14994	4.998		28115	
	5859		720			6887		728		B.M. 4-18 (S 15[illegible]
	5139		720			6159		728		SEE F.B. 1205-[illegible]
	4419		1440			5431		1450		FOR DESCRIPTION
23	15417	5.139		29561	64.9	18477	6.159		29571	
										SUMMATION OF [illegible] B.M. 4-17 TO B[illegible] 4-18
										TOTAL BACKSIGHTS + [illegible].803
										" FORESIGHTS + 15.701
										DIFF. IN ELEVATION - 16.102
		131.803					115.701			

F.B. 1205 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..... 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. 205 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 A. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:50-10:35 AM Rod No. 7 & 8

Name L.A.C. [illegible]
Job No. 4923
From BM 4-18 To B 4-17
Date 9-12-51
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
	6857		726		#7	5831		721		
	6131		725			5110		721		B.M. 4-18 (SY 15[illegible])
	5406		1451			4389		1442		SEE F.B. 12[illegible]
1	18394	6.131		145.1	64°	15330	5.110		1442	FOR DESCRIPTION
	5[illegible]		648			6030		648		
	4988		649			5382		649		T G.E. DRIVER
	4339		1297			4733		1297		
2	14963	4.988		274.8		16145	5.382		2739	
	5[illegible]		649			6033		646		
	4980		649			5387		648		
	4331		1298			4739		1294		
3	14940	4.980		404.6		16159	5.386		403.3	
	5705		646			6127		648		
	5059		647			5479		649		
	4412		1293			4830		1297		
4	15176	5.059		533.9		16436	5.479		533.0	
	5247		647			6610		647		
	4600		644			5963		645		
	3956		1291			5318		1292		
5	13803	4.601		663.0		17891	5.964		662.2	
		25.759					27.321			

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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:50-10:35 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-18 To BM 4-[illegible]
Date 9-12-51
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
	5182	25.759	648	663.0		6818	27.321	648	662.2	
	4534		647			6170		649		
	3887		1295			5521		1297		
6.	13603	4.534		7925		18509	6.170		791.9	
	6273		649			6343		635		
	5624		649			5708		638		
	4975		1298			5070		1273		
7	16872	5.624		922.3		17121	5.707		919.2	
	3162		665			7707		645		
	2497		666			7062		643		
	1831		1331			6419		1288		
8.	7490	2.497		1055.4		21188	7.063		1048.0	
	4371		622			9680		634		
	3749		624			9046		634		
	3125		1246			8412		1268		
9.	11245	3.748		1180.0		27138	9.046		1174.8	
	3371		618			5517		658		
	2753		620			4859		659		
	2133		1238			4200		1317		
10.	8257	2.752		1303.8		14576	4.859		1306.5	
		44.914					66.66			

F.B. 1205 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:50-10:35AM Rod No. 7 & 8

Name LA Co Precise Lev. Net
Job No. 4923
From BM 4-18 To B 4-17
Date 9-12-51
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
	5612	[illegible]	653	1303.8		6922	60.166	654	1306.5	
	4959		656			6268		656		
	4303		1309			5612		1310		
11	14874	4.958		1434.7		18802	6.267		1437.5	
	1830		502			10310		537		
	1327		504			9771		540		
	0824		1006			9231		1079		
12	3982	1.327		1535.3		29312	9.771		1545.4	
	7131		660			2597		685		
	6471		661			1912		683		
	5810		1321			1229		1368		
13	19412	6.471		1667.4		5738	1.913		1682.2	
	11332		589			3482		536		
	10741		591			2956		537		
	10150		1182			2419		1073		
14	32223	10741		1785.6		8867	2.956		1789.5	
	7560		669			9355		663		
	6891		669			8692		664		
	6222		1338			8028		1327		
15	20673	6.891		1919.4		26075	8.692		1922.2	
		75.302					89.765			

F.B. 1205 PG. 147

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 8:50-10:35 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-18 To BM 4-17
Date 9-12-51
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
	4409	75.302	643	1919.2 4		5458	89.765	653	1922.2	
	3766		646			4805		652		
	3120		1289			4153		1305		
16	11295	3.765		2048.3		14416	4.805		2052.7	
	7394		655			6405		639		
	6739		657			5766		639		
	6082		1312			5127		1278		
17.	20215	6.738		2179.5		17298	5.766		2180.5	
	5401		649			6003		649		
	4842		651			5354		651		
	4191		1300			4703		1300		
18.	14524	4.841		2309.5		16060	5.3[illegible]		2310.5	
	5997		647			5842		647		
	5350		649			5195		646		
	4701		1296			4549		1293		
19	16048	5.349		2439.1		15586	5.195		2439.8	
	6199		650			6058		647		
	5549		650			5411		648		
	4899		1300			4763		1295		
20	16647	5.549		2569.1		16232	5.411		2569.3	
		101.544					116.295			

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A.G. DREGGE [illegible]
Job No. 49[illegible]
From BM 4-18 To [illegible] 4-17
Date 9-12-51
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
	6276	101524	649	25.6~~84~~ 9.1		5940	116.295	651	25[illegible]3	
	5627		651			5289		651		
	4976		1300	9.1		4638		1302		
21	16879	5.626		269~~84~~		15867	5.289		26[illegible]95	
	6169		645			6372		645		
	5524		645			5727		647		
	4879		1290	8.1		5080		1292		
22	16572	5.524		282~~77~~		17179	5.726		28287	
	5480		655			6962		659		
	4825		655			6303		660		B.M. 4-17 (BELL [illegible])
	4170		1310	9.1		5643		1319		SEE F.B. 1205 [illegible]
23	14475	4.825		295~~89~~	72°	18908	6.303		29606	FOR DESCR[illegible]
										SUMMATION OF [illegible]
										B.M. 4-18 TO [illegible] 4-17
										TOTAL BACK[illegible] + [illegible]7.519
										" FORESIGHTS − [illegible].613
										DIFF IN ELEVATION + [illegible].094
		117519					133.613			

F.B. 1205 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. 1295 PG. 150

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. SEDGE Time 1:00–1:30 PM Rod No. 7 F B

Name L.A. CO. PROJECT
Job No. 4955
From BM 4-18 To 5 / 4-19
Date 9-12-51
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
	6299		655		#7	6057		654		
	5644		654			5403		654		B.M 4-18 (OK 15)
	4990		309			4749		308		SEE F.B. [illegible]
	16933	5.644		130.9	74°	16209	5.403		130.8	FOR DESCRIPTION
	5950		653			6440		646		
	5297		652			5794		647		T. G.E. DAM
	4645		305			5147		293		
2	15892	5.297		261.4		17381	5.794		260	
	5777		652			6140		651		
	5127		651			5489		651		
	4476		303			4838		302		
3	15382	5.127		391.7		16467	5.489		390.3	
	5789		654			6091		649		
	5085		652			5442		650		
	4433		300			4792		299		
4	15257	5.086		522.3		16325	5.442		520.1	
	5762		649			5959		647		
	5113		650			5292		644		
	4463		299			4648		297		
5	15338	5.113		652.2		15879	5.293		649.3	
		26.267					27.421			

F.B. 1205 PG. 151

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. SHADDOX Time 11:00-1:30 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL 11-7
Job No. 4923
From BM 4-18 To BM 4-
Date 9-12-51
Indexed B. C. SULLIVAN

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5513	2626.7	644	652.2		6093	2742.1	656	649.3	
	4869		646			5437		658		
	4223		1290			4779		1314		
6	14605	4868		781.2		16309	5136		780.7	
	5408		651			6278		648		
	4757		653			5630		650		
	4104		1304			4980		1298		
7	14269	4756		911.6		16888	5629		910.5	
	5459		651			5911		661		
	4808		650			5250		662		
	4158		1301			4588		1323		
8	14425	4808		1041.7		15749	5250		1042.8	
	5171		652			6275		651		
	4519		655			5624		652		
	3864		1307			4972		1303		
9	13554	4518		1172.4		16871	5624		1173.1	
	5561		649			6759		659		
	4720		649			6100		659		
	4071		1298			5441		1318		
10	14160	4720		1302.2		18300	6100		1304.9	
		47207					55160			

F.B. 2005 PG. 152

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-1:30 P.M. Rod No. 7 & 8

Name L.A. Co. Rec. L. & Ln. Lt.
Job No. 4923
From B.M. 41 P To B 4-17
Date 9-12-51
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
	5272	49.937	642	1302.2		6886	5.460	660	1304.9	
	4630		642			6226		661		
	3988		1284			5565		1321		
11	13899	4.630		1430.6		18677	6.226		1437.0	
	5182		665			6760		635		
	4517		665			6125		634		
	3852		1330			5491		1269		
12	13550	4.517		1563.6		18376	6.125		1563.9	
	5325		652			6257		654		
	4673		652			5605		654		
	4021		1304			4950		1309		
13	14019	4.673		1694.0		16814	5.605		1694.8	
	6008		650			6318		657		
	5358		650			5661		655		1 HOUR FOR LUNCH
	4708		1300			5006		1312		
14.	16074	5.358		1824.0	80°	16985	5.662		1826.0	
	5689		652			6263		644		
	5031		652			5619		643		
	4379		1304			4976		1287		
15.	15093	5.031		1954.4	84°	16858	5.619		1954.7	
		74.146					84.697			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-1:30 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL
Job No. 4923
From BM 4-18 To BM 4-1
Date 9-12-51
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
	5252	4.146	647	1954.4		6178	4.977	647	1954.7	
	4604		647			5531		649		
	3957		1295			4882		1296		
16	13813	4.604		2083.9		16591	5.530		2084.3	
	5583		648			6269		655		
	4935		648			5614		653		
	4287		1296			4961		1308		
17	14805	4.935		2213.5		16844	5.615		2215.1	
	5557		646			6137		655		
	4911		645			5482		652		SUMMATION OF RUN
	4266		1291			4830		1307		B.M. 4-18 TO B.M. 4-1
18	14734	4.911		2342.6		16449	5.483		2345.8	
	5688		647			6359		652		TOTAL BACKSIGHTS + 98.679
	5041		648			5707		655		" FORESIGHTS − 113.767
	4393		1295			5052		1307		DIFF IN ELEVATION − 15.088
19	15122	5.041		2472.1		17118	5.706		2476.5	
	5867		826			7579		843		
	5041		824			6736		844		BM 4-19
	4217		1650			5892		1687		SEE F.B. 1205-24
20	15125	5.042		2637.1	84°	20207	6.736		2645.2	FOR DESCRIPTION
		98.679					113.767			

F.B. 1205 PG. 15-4

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. 50910
Notes by S. SHINODA Time 9:10-10:40AM Rod No. 7 & 8

Name L. A. Co Pres[illegible]
Job No. 4923
From BM 4-17 To B 4-18
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7563		844		#7	5855		828		
	6719		842			5027		827		BM 4-19
	5877		1686			4200		1655		SEE F.B. 1205-2
1.	20159	6.720		168.6	66°	15082	5.027		165.5	FOR DESCRIPTION
	6378		643			5725		659		
	5735		643			5066		659		⊼ H.F. NAUMANN
	5092		1286			4407		1318		
2	17205	5.735		297.2		15198	5.066		297.3	
	6233		650			5659		649		
	5583		650			5010		649		
	4933		1300			4361		1298		
3.	16749	5.583		427.2		15030	5.010		427.1	
	6324		653			5639		648		
	5671		654			4991		649		
	5017		1307			4342		1297		
4	17012	5.671		557.9		14972	4.991		556.8	
	6240		648			5317		651		
	5592		648			4666		648		
	4944		1296			4018		1299		
5.	16776	5.592		687.5		14001	4.667		686.7	
		29.301					24.761			

F.B. 1205 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. SHINODA Time 9:10-10:40 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-19 To BM 4-8
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6587	29.301	645	687.5		5816	24.961	655	686.7	
	5942		644			5161		653		
	5298		1289			4508		1308		
6.	17827	5.942		8164		15485	5.162		8175	
	5975		611			5943		691		
	5364		611			5252		694		
	4753		1222			4558		1385		
7.	16092	5.364		9386		15753	5.251		9560	
	6313		689			5307		615		
	5624		692			4692		612		
	4932		1381			4080		1227		
8.	16869	5.623		10767		14079	4.693		10787	
	6831		653			5217		645		
	6178		655			4572		644		
	5523		1308			3928		1289		
9.	18532	6.177		12075		13717	4.572		12076	
	6876		662			5262		642		
	6214		661			4620		641		
	5553		1323			3979		1283		
10.	18643	6.214		13398		13861	4.620		13359	
		58.621					49.059			

F.B. 1205 PG. 156

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather [illegible] Inst. No. 50610
Notes by S. Shimoda Time 9:10-10:40 A.M. Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B-7 4-19 To B 4-18
Date 9-15-51
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
	6773	58.621	656	1337.8		5384	49.059	647	1335.9	
	6117		659			4737		649		
	5458		1315			4088		1296		
11.	18348	6.116		1471.3		14209	4.736		1465.5	
	6259		637			5553		660		
	5622		635			4893		660		
	4987		1272			4233		1320		
12.	16868	5.623		1598.5		14679	4.893		1597.5	
	6297		651			5480		651		
	5646		652			4829		651		
	4994		1303			4178		1302		
13.	16937	5.646		1728.8		14487	4.829		1727.7	
	6604		651			5842		650		
	5953		651			5192		652		
	5302		1302			4540		1302		
14.	17859	5.953		1859.0		15574	5.191		1857.9	
	6271		649			5592		653		
	5622		649			4939		651		
	4973		1298			4288		1304		
15.	16866	5.622		1988.8		14819	4.940		1988.3	
		87.581					73.648			

F.B. 1203 PG. 157

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 9:10-10:40 AM Rod No. 7 & 8

Name L A Co PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-19 To BM 4-1
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5950	87.581	647	1988.8		5773	75.648	650	1988.3	
	5303		645			5123		650		
	4658		1292			4473		1300		
16	15911	5.304		2118.0		15369	5.123		2118.3	
	6342		656			5977		649		
	5686		653			5328		650		
	5033		1309			4678		1299		
17	17061	5.687		2248.9		15983	5.[illegible]8		2248.2	
	6422		652			6060		652		
	5770		650			5408		651		SUMMATION OF RUN
	5120		1302			4757		1303		BM 4-19 TO BM 4-20
18	17312	5.771		2379.1		16225	5.408		2378.5	
	6367		646			5874		651		
	5721		649			5223		651		TOTAL BACKSIGHTS + 115.73[illegible]
	5072		1295			4572		1302		" FORESIGHTS − 100.64[illegible]
19	17160	5.720		2508.6		15669	5.[illegible]3		2508.7	DIFF. IN ELEVATION + 15.09[illegible]
	6322		650			6561		648		
	5672		650			5913		651		BM 4-18 (SY 1569)
	5022		1300			5262		1299		SEE F. B. 1205-23
20	17016	5.672		2638.6	77°	17736	5.912		2638.6	FOR DESCRIPTION
		115.735					100.642			

F.B. 1205 PG. 158

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 1:30-3:00PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 4-19 To B 4-20
Date 9-12-51
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
	6957		617		#7	6710		650		
	6340		617			6060		650		BM 4-19
	5723		1234			5410		1300		SEE F B 1205-2
1	19020	6.340		123.4	84°	18180	6.060		1300	FOR DESCRIPTION
	5607		666			6044		631		
	4943		668			5413		631		⊼ G.E. DREIER
	4275		1334			4782		1262		
2	14827	4.942		2568		16239	5.413		2562	
	4979		643			6250		655		
	4336		645			5595		655		
	3691		1288			4940		1310		
3	13006	4.335		3856		16785	5.595		3872	
	5363		651			6330		643		
	4712		650			5687		646		
	4062		1301			5041		1289		
4	14137	4.712		515.7		17058	5.686		5161	
	5506		653			6409		652		
	4853		652			5757		652		
	4201		1305			5105		1304		
5	14560	4.853		646.2		17271	5.757		646.5	
		25.182					28.511			

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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:30-3:00 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL
Job No. 4923
From B.M. 4-19 To B.M. 4
Date 9-12-51
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
	5601	25.182	650	6462		6619	2[illegible]	646	6465	
	4951		650			5773		645		
	4301		1300			5328		1291		
6	14853	4.951		7762		17920	5.[illegible]73		7756	
	5351		644			6292		652		
	4707		645			5640		654		
	4062		1289			4986		1306		
7	14120	4.707		9051		16918	5.639		9062	
	5540		648			6158		653		
	4892		646			5505		652		
	4246		1294			4853		1305		
8	14678	4.893		10345		16516	5.[illegible]05		10367	
	5554		653			6295		648		
	4901		652			5647		650		
	4249		1305			4997		1298		
9	14704	4.901		11650		16939	5.[illegible]46		11665	
	5542		649			6355		649		
	4893		647			5706		649		
	4246		1296			5057		1298		
10	14681	4.894		12946		17118	5.106		12963	
		49.528					56.980			

F.B. 1205 PG. 160

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Hammond Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 1:30-5:00 PM Rod No. 7 8 B

Name [illegible]
Job No. 4929
From [illegible] 4-19 To [illegible] 4-21
Date 9-12-51
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
	5540	49.528	649	1294.6		6322	56.980	650	1296.3	
	489		652			5672		650		
	4239		1301			5022		1300		
11.	14670	4.890		1424.7		17016	5.672		1426.3	
	5473		648			6571		653		
	4825		649			5918		655		
	4176		1297			5263		1308		
12.	14474	4.825		1554.4		17752	5.917		1557.1	
	5351		646			6788		651		
	4705		645			6137		654		
	4060		1291			5483		1305		
13	14116	4.705		1683.5		18408	6.136		1687.6	
	6253		654			6028		645		
	5599		653			5383		642		
	4946		1307			4737		1287		
14.	16798	5.599		1814.2		16150	5.383		1816.5	
	6020		657			5117		649		
	5363		654			4468		649		
	4709		1311			3819		1298		
15.	16092	5.364		1945.3		13404	4.468		1946.3	
		74.911					84.556			

F.B. [illegible] PG. 161

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 P.M. Rod No. 788

Name L.A.Co. PRECISE LEVEL
Job No. 49-3
From B.M. 4-19 To [illegible]
Date 9-12-51
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
	6228	74.911	649	1945.3		5783	84.556	652	1946.3	
	5579		650			5131		650		
	4929		1299			4481		1302		
16.	16736	5.579		2075.2		15375	5.132		2076.5	
	6277		647			5729		660		
	5630		648			5069		660		
	4982		1295			4409		1320		
17	16889	5.630		2204.7		15207	5.069		2208.5	
	6241		658			5741		643		
	5583		658			5098		645		SUMMATION OF RUN
	4925		1316			4453		1288		B.M. 4-19 TO B.M. 4-20
18.	16749	5.583		2336.3		15292	5.097		2337.3	
	5797		413			5604		414		TOTAL BACKSIGHTS +101.9[illegible]
	5384		412			5190		416		" FORESIGHTS -110.8[illegible]
	4972		825			4774		830		DIFF IN ELEVATION - 8.8[illegible]
19	16153	5.384		2418.8		15568	5.189		2420.3	
	5277		419			6199		438		
	4858		420			5761		436		B.M. 4-20
	4438		839			5325		874		SEE F.B. 1205-25
20	14573	4.858		2502.7	85°	17285	5.762		2507.7	FOR DESCRIPTION
		101.945					110.805			

F.B. 1205 PG. 162

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:00-4:00PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELING DIST
Job No. 4923
From BM 4-20 To 3 4-19
Date 9-12-51
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
	6124		436			5205		422		
	5688		436			4783		419		BM 4-20
	5251		872			4364		841		SEE F.B. 1205 25
1.	17063	5.688	3	87.2		14352	4.784		84.1	FOR DESCRIPTION
	5597		416			5787		413		
	5181		415			5374		411		TO H.F. NAUMANN
	4766		831			4963		824		
2.	15544	5.121	4	170.3		16124	5.375		166.5	
	5679		641			6187		661		
	5038		641			5526		662		
	4397		1282			4864		1323		
3.	15114	5.038	6	298.8		16577	5.526		298.8	
	5732		662			6278		646		
	5070		661			5632		648		
	4409		1323			4984		1294		
4.	15211	5.070	9	430.8		16894	5.631		428.2	
	5121		648			5572		654		
	4473		645			4918		657		
	3824		1293			4261		1311		
5.	13422	4.474	2	560.7		14751	4.917		559.3	
		25.451					26.233			

F.B. 1205 PG. 163

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. SHINOHARA Time 3:00-4:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL 167
Job No. 4923
From BM 4-20 To BM 4-1
Date 9-12-51
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
	5261	25.45	650	560.5/2		6161	26.233	655	559.3	
	4611		650			5506		655		
	3961		1300			4851		1310		
6	13833	4.611		690.7/2		16518	5.506		690.3	
	6013		651			6227		650		
	5362		650			5577		650		
	4712		1301			4927		1300		STOPPED 3:45 PM 9-12-51
7	16087	5.362		820.3/2	82°	16731	5.577		820.3	
	6675		649			5242		646		
	6026		652			4596		648		BEGAN 8:20 A.M. 9-13-51
	5374		301			3948		1294		
8.	18075	6.025		950.4/2	65°	13776	4.592		949.7	
	6556		653			5460		650		
	5903		652			4810		650		
	5251		1305			4160		1300		
9.	17710	5.903		1080.9/2		14430	4.810		1079.7	
	6324		648			5541		650		
	5674		649			4891		650		
	5025		1297			4241		1300		
10.	17021	5.674		1210.5/2		14673	4.891		1209.7	
		53.926					51.612			

F.B. 205 PG. 164

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. Precise Level
Job No. 4923
From BM 4-20 To 3 4-1
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6339	5302.6	648	1310.6		5527	51.612	649	1209.7	
	5691		649			4878		647		
	5042		1297			4231		1296		
11.	17072	5.691		1340.3		14636	4.879		1339.3	
	6347		649			5605		651		
	5698		650			4954		651		
	5048		1299			4303		1302		
12.	17093	5.698		1470.2		14862	4.954		1469.5	
	6311		653			5690		645		
	5658		656			5045		646		
	5002		1309			4399		1291		
13.	16971	5.657		1601.1		15134	5.045		1598.6	
	6513		644			5584		651		
	5869		647			4933		653		
	5222		1291			4280		1304		
14.	17604	5.868		1730.2		14797	4.932		1729.0	
	6561		648			5537		647		
	5913		651			4890		647		
	5262		1299			4243		1294		
15.	17736	5.912		1860.1		14670	4.890		1858.4	
		81.852					76.312			

F.B. 1205 PG. 165

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 8:20-9:[illegible] Rod No. 7 & 8

Name A. Co PRECISE LEVEL
Job No. 4923
From BM 4-20 To BM 4
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6502	81.852	653	1860.0		5593	76.[illegible]	649	1858.4	
	5849		652			4944		647		
	5197		1305			4297		1296		
16	17548	5.849		1305.6		14834	4.945		1988.0	
	6393		643			5424		649		
	5750		643			4775		649		
	5107		1286			4126		1298		
17	17250	5.750		2119.2		14325	4.775		3117.8	
	6382		654			5114		643		
	5728		654			4471		643		SUMMATION OF RUN
	5074		1308			3828		1286		B.M 4-20 TO B.M 4-1
18	17184	5.728		2250.0		13413	4.[illegible]		2246.4	
	6034		641			5577		658		
	5393		641			4921		659		TOTAL BACKSIGHTS + 110.83
	4752		1282			4262		1317		" FORESIGHTS − 101.96
19	16179	5.393		2378.2		14762	4.921		2378.1	DIFF. IN ELEVATION + 8.86
	6917		651			7159		615		
	6266		653			6544		614		BM 4-19
	5613		1304			5930		1229		SEE F.B. 1205-24
20	18796	6.265		2508.6	66°	19633	6.544		2501.0	FOR DESCRIPTION
		110.837					101.968			

F.B. 1205 PG. 166

FORM 379 SM 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 11:00 - 1:25 P.M. Rod No. 7 & 8

Name L.A. Co PRECISE LEVELING
Job No. 4923
From BM 4-20 To B 4-21
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7062		670		#17	5592		656		
	6392		669			4936		658		B.M 4-20
	5723		1339			4278		1314		SEE F.B. 1405-[illegible]
1	19177	6.392		1339	78°	14806	4.935		1314	FOR DESCRIPTION
	6296		648			5617		653		
	5648		648			4964		652		⊼ G.E. DREIER
	5000		1296			4312		1305		
2	16944	5.648		2635		14893	4.964		2619	
	6412		649			5575		651		
	5763		651			4924		651		
	5112		1300			4273		1302		
3	17287	5.762		3935		14772	4.924		3921	
	6359		650			5677		652		
	5709		650			5025		652		
	5059		1300			4373		1304		
4	17127	5.709		5235		15075	5.025		5225	
	6372		644			5358		656		
	5728		646			4702		655		
	5082		1290			4047		1311		
5	17182	5.727		6525		14107	4.702		6536	
		29.238					24.550			

F.B. 1205 PG. 167

FORM 379 SM 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-1:45 A Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-20 To BM 4-[illegible]
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6402	29.238	650	652.5		5740	24.550	654	653.6	
	5752		650			5086		653		
	5102		1300			4433		1307		
6.	17256	5.752		7825		15259	5.086		7843	
	6178		647			5221		644		
	5531		649			4577		645		
	4882		1296			3932		1289		
7.	16591	5.530		9121		13730	4.577		9132	
	6242		654			5376		655		
	5588		654			4721		654		
	4934		1308			4067		1309		
8	16764	5588		1042.9		14164	4.721		1044.1	
	7631		648			1463		615		
	6983		647			0848		616		
	6334		1297			0232		1231		
9.	20948	6.983		1172.6		2543	0.848		1167.2	
	7092		665			7181		647		
	6427		667			6534		646		
	5760		1332			5888		1293		
10	19279	6.426		1305.8		19603	6.534		1296.5	
		59.517					46.316			

F.B. 1205 PG. 168

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 11:00-1:45 PM Rod No. 7 & 8

Name L.A. Co Precise Level Net
Job No. 4923
From BM 4-20 To S. 4-21
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5625	59.517	432	1305.8		11279	46.316	407	1296.5	
	5193		432			10872		405		
	4761		864			10467		812		
11.	15579	5.193		13922		32618	10.873		1377.7	
	0922		188			10584		193		
	0734		187			10391		195		
	0547		375			10196		388		
12	2203	0.734		14297		31171	10390		14165	
	5278		637			6099		786		
	[illegible]		636			5313		783		
	2005		1273			4530		1569		1 HOUR FOR LUNCH
13.	7924	2.641		15570	80°	15942	5.315		1513.4	
	5347		326			5140		267		
	5021		327			4873		266		
	4694		653			4607		533		
14.	15062	5.021		16223	82°	14620	4.873		16267	
	11901		158			0583		172		
	11743		158			0411		171		
	11585		316			0240		343		
15.	35229	11.743		16539		1234	0.411		16610	
		84.849					78.177			

F.B. [illegible] PG. 119

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-1:45 P.M. Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 4-20 To BM 4-21
Date 7-13-57
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
	11284	84.849	173	1653.9		0586	78.178	193	1661.0	
	11111		174			0393		192		
	10937		347			0201		385		
16	33332	11.111		1688.6		1180	0.393		1699.5	
	5772		645			8374		622		
	5127		646			7752		621		
	4481		291			7131		243		
17	15380	5.127		1817.7		23257	7.752		1823.8	
	2121		679			11111		651		
	1442		678			10460		650		BM 4-21
	0764		354			9810		301		SEE F.B. 1205-26
18	4327	1.442		1953.4	82°	31381	10.460		1953.9	FOR DESCRIPTION
F.B. 1205 PG. 170										SUMMATION OF RUN BM 4-20 TO BM 4-21
										TOTAL BACKSIGHTS + 102.529 FORESIGHTS − 96.787 DIFF IN ELEVATION + 5.742
		102.529					96.787			

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

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-21 To [illegible] 4-3
Date 1-13-56
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
	11030		650		#7	2041		681		
	10380		650			1360		682		B.M 4-21
	9730		1300			0678		1363		SEE F.B. 1205-[illegible]
1.	31140	10.380		130.0	82°	4079	1360		136.3	FOR DESCRIPTION
	8393		655			5722		611		
	7738		657			5111		612		
	7081		1312			4499		1223		
2.	23212	7.737		261.2		15332	5.111		258.6	
	0617		196			11319		180		
	0421		198			11139		181		
	0223		394			10958		361		
3.	1261	0.420		300.6		33416	11139		294.7	
	0591		171			11904		159		
	0420		171			11750		158		
	0249		342			11592		317		
4	1260	0.420		334.8		35251	11.750		326.4	
	5191		259			5413		334		
	4932		259			5079		335		
	4673		518			4744		669		
5	14796	4.932		386.6		15236	5.079		393.3	
		23.889					34.439			

F.B. [illegible] PG. 171

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. 5.0010
Notes by S. SHINODA Time 1:45-3:30 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-21 To BM 4 [illegible]
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5946	23.889	786	386.6		3125	34.[illegible]	637	393.3	
	5160		786			2488		636		
	4374		1572			1852		1273		
6.	15480	5.160		5438		7465	2488		5206	
	10631		194			0969		190		
	10437		195			0779		190		
	10242		389			0589		380		
7	31310	10.437		5827		2337	0.779		5586	
	11017		355			5447		465		
	10662		354			4982		462		
	10308		709			4520		927		
8	31987	10.662		6536		14949	4.[illegible]83		6513	
	7006		643			6932		670		
	6363		644			6262		670		
	5719		1287			5592		1340		
9.	19088	6.363		7823		18786	6.[illegible]		7853	
	1484		624			7638		639		
	0860		626			6999		641		
	0234		1250			6358		1280		
10.	2578	0.859		9073		20995	6.[illegible]8		9133	
		57.370					[illegible]			

F.B. 1205 PG. 172

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

Name L.A. Co. PRECISE LEVELN
Job No. 4923
From BM 4-2 To BM 4-20
Date 9-13-51
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
	5259	57.370	671	9073		6090	55.749	640	913.3	
	4588		668			5450		640		
	3920		1339			4810		1280		
11.	13767	4.589		1041.2		16350	5.450		1041.3	
	5296		647			6249		646		
	4649		647			5603		645		
	4002		1294			4958		1291		
12	13947	4.649		1170.6		16810	5.603		1170.4	
	5760		650			6428		652		
	5110		651			5776		654		
	4459		1301			5122		1306		
13	15329	5.110		1300.7		17326	5.775		1301.0	
	5400		653			6420		650		
	4747		654			5770		650		
	4093		1307			5120		1300		
14	14240	4.747		1431.4		17310	5.770		1431.0	
	5641		652			6323		651		
	4989		651			5672		650		
	4338		1303			5022		1301		
15	14968	4.989		1561.7		17017	5.672		1561.1	
		81.454					84.219			

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

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

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 4-21 To BM 4-20
Date 9-13-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5574	4.454	650	1561.7		6411	5.219	649	1561.1	
	4924		651			5762		650		
	4273		301			5112		299		
16.	14771	4.924		1691.8		17285	5.762		1691.0	
	5622		651			6302		645		
	4971		652			5657		648		
	4319		303			5009		297		
17	14912	4.971		1822.1		16968	5.656		1820.9	
	5517		654			6923		669		
	4863		653			6314		667		B.M. 4-20
	4210		307			5647		336		SEE F.B. 1205-25
18	14590	4.863		1957.8	81°	18944	6.315		1953.9	FOR DESCRIPTION
F.B. 1205 PG. 174										SUMMATION OF RUN BM 4-21 TO B.M. 4-20
										TOTAL BACKSIGHTS + 96.212 ✓
										" FORESIGHTS − 101.952 ✓
										DIFF. IN ELEVATION − 5.740 ✓
		96.212 ✓					101.952 ✓			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 8:15-9:20 A.M. Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4923
From BM 4-2 To [illegible] 4-2
Date 9-14-51
Indexed B. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7770		737		#7	6382		752		
	6443		733			5330		754		B.M. 4-2
	5701		1472 ✓			4576		1506 ✓		SEE F.B. 1205
1	19331 ✓	6.444 ✓		147.2 ✓	66°	15488 ✓	5329 ✓		150.6 ✓	FOR DESCRIPTION
	6197		656			5835		643		
	5542		659			5192		[illegible]		π G.E. DREIER
	4883		[illegible] ✓			4550		1285 ✓		
2	16622 ✓	6.54[illegible] ✓		298.[illegible] ✓		15577 ✓	5192 ✓		279.1 ✓	
	[illegible]		650			[illegible]		645		
	[illegible]		64[illegible]			5177		647		
	7893		[illegible] ✓			4530		1290 ✓		
3	16627 ✓	5.542 ✓		408.6 ✓		15529 ✓	5176 ✓		408.3 ✓	
	6058		65[illegible]			5527		650		
	5405		653			4917		650		
	4750		1306 ✓			4267		1300 ✓		
4	16215 ✓	[illegible] ✓		5392 ✓		14751 ✓	4.917 ✓		538.3 ✓	
	5911		[illegible]			5549		65[illegible]		
	5331		647			4896		654		
	4682		1298 ✓			4242		1307 ✓		
5	15993 ✓	5.331 ✓		669.0 ✓		13687 ✓	4.896 ✓		669.0 ✓	
		28.263 ✓				14	25.510 ✓			

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 8:15-9:20 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL
Job No. 4923
From B.M. 4-21 To B.M. 4
Date 9-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6157	28.263	654	669.0		5572	25.510	645	669.0	
	5505		652			4927		648		
	4851		1306			4279		1293		
6.	16511	5.504		7296		14778	4[illegible]6		7983	
	6026		484			6231		481		
	5542		484			5750		481		
	5058		968			5269		962		
7.	16626	5.542		8964		17250	5.[illegible]		8945	
										REF. MARK STANDARD MONUMENT BELL B-2 NO REF.
	7475		645			5377		649		
	6830		648			4728		650		
	6182		1293			4078		1293		
8.	20487	6.829		10257		14183	4[illegible]8		10244	
	6680		646			5707		651		
	6034		647			5056		652		
	5387		1293			4404		1303		
9	18101	6.034		11550		15167	5.[illegible]6		11547	
		52.172					45.970			

F.B. 1205 PG. 176

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. JAUMAN J. Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:15-9:20 AM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 4923
From BM 4-21 To B [illegible] 4-[illegible]
Date 9-13-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6371	52.172	751	1155.0		6812	45.970	840	1154.7	B.M. 4-21 (BE[illegible]
	5640		752			5972		840		SEE F.B. 1-05-[illegible]
	4888		1503			5132		1680		FOR DESCRIPTION
10	16919	5.640		1305.3	74°	17916	5.972		13.227	
										SUMMATION OF [illegible] B.M. 4-21 TO B[illegible]
										TOTAL BACKSIGHTS + 57.812
										" FORESIGHTS + 51.942
										DIFF. IN ELEVATION + 5.870
		57.812					51.942			

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..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

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

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

F.B. 1205 PG. 178

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name [illegible] PRECISE [illegible]
Job No. [illegible]
From B.M. 4-22 To [illegible] 4-21
Date [illegible]
Indexed A. O. 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
	6612		781		#7	6307		810		
	5831		784			5497		812		B.M. 4-22 (BELL [illegible])
	5047		1565			4685		1622		SEE F.B. 1205 7
1.	17490	5.830		1565	80	16489	5.496		162.2	FOR DESCRIPTION
	5693		651			6671		649		
	5042		651			6022		648		⊼ G.E. DREIER
	4391		1302			5374		1297		
2.	15126	5.042		2865		18067	6.022		2819	
	5379		660			7454		634		
	4719		660			6820		634		
	4059		1320			6186		1268		
3.	14157	4.719		4185		20460	6.820		4187	
										REF. MARK STAND[illegible] MONUMENT BELL [illegible] NO REF.
	6407		481			6199		483		
	5926		483			5716		483		
4.	5443		964			5233		966		
	17776	5.925		5146		17148	5.716		5153	
		21.516					24.054			

F.B. [illegible] PG. 179

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A.Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-22 To BM 4-[illegible]
Date 9-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5536	21.516	647	51.7		6112	24.054	650	515.3	
	4887		650	5.1		5462		650		
	4237		1297			4812		1300		
5	14660	4.887		64.8		16386	5.462		645.3	
	5702		650			6137		650		
	5052		650			5487		650		
	4402		1300			4837		1300		
6	15156	5.052		77.0		16461	5.487		775.3	
	5678		651			6167		652		
	5027		651			5515		652		
	4376		1302			4863		1304		
7	15081	5.027		905.2		16545	5.515		905.7	
	5806		648			6171		649		
	5158		649			5522		650		
	4509		1297			4872		1299		
8	15473	5.158		1034.9		16565	5.522		1035.6	
	5828		650			6172		648		
	5178		651			5524		647		
	4527		1301			4877		1295		
9	15533	5.178		116.5		16573	5.524		1165.1	
		46.818					51.564			

F.B. 1205 PG. 180

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:30 - 11:10AM Rod No. 7 & 8

Name L.A. Co. Precision Level Net
Job No. 4423
From BM 4-22 To BM 4-21
Date 9-14-51 [illegible]
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
	5948	46.818	748	1164 ~~8~~ 50		7065	51.564	752	1165.1	BM 4-21
	5200		749			6313		752		SEE F.B. [illegible]
	4451		1497			5561		1504		FOR DESCRIPTION
10.	15579	5.200		13147	85°	18937	6.313		13155	
										SUMMATION OF [illegible] BM 4-22 TO BM 4-21
										TOTAL BACKSIGHTS - 52.018
										" FORESIGHTS - 57.877
										DIFF IN ELEVATION - 5.859
		52.018					57.877			

F.B. [illegible] PG. 181

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

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

F.B. 1205 PG. 162

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINOBA Time 9.25-10.00AM Rod No. 7 & 8

Name L.A. Co. PRECISE L[illegible]
Job No. 4923
From BM 4-22 To B[illegible] 4-25
Date 4-14-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6674		481		#7	5156		547		
	6193		481			4609		548		B.M 4-22 (BELL B[illegible])
	5712		962			4061		1095		SEE F.B 1205-[illegible]
1.	18579	6.193		962	74°	13826	4609		1095	FOR DESCRIPTION
	7083		672			5185		632		
	6411		672			5353		632		π G.E. DREIER
	5737		1344			4721		1264		
2	19233	6.411		2306		16059	5.353		2359	
	6410		662			5899		636		
	5748		663			5263		637		
	5085		1325			4626		1273		
3	17243	5.748		3631		15788	5.263		3632	
	6231		650			5578		648		
	5581		650			4930		645		
	4931		1300			4285		1293		
4	16743	5.581		4931		14793	4.931		4925	
	6338		649			5770		651		
	5689		649			5119		651		
	5040		1298			4468		1302		
5	17067	5.689		6229		15357	5.119		6227	
		29.622					25.275			

F.B. [illegible] 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 9:25-10:00 A.M. Rod No. 7&8

Name L.A. Co. PRECISE LEVELLET
Job No. 4923
From BM 4-22 To BM 4-[illegible]
Date 9-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6231	29.622	652	622.9		5958	25.375	650	622.7	
	5579		652			5308		647		
	4927		1304			4659		1299		
6	16737	5.57[illegible]		753.3		15925	5.3[illegible]8		752.6	
	6377		648			5581		650		
	5729		649			4931		650		
	5080		1297			4281		1300		
7	17186	5.729		883.0		14793	4.[illegible]		882.6	
	6038		385			6267		386		
	5653		384			5881		387		B.M. 4-23 (BELL B-24)
	5269		769			5494		773		SEE F.B. [illegible]
8	16960	5.653		959.9	76°	17642	5.881		959.9	FOR DESCRIPTION
										SUMMATION OF RUN BM 4-23 TO BM 4-25
										TOTAL BACKSIGHTS + 46.583
										1" FORESIGHTS − 41.395
										DIFF IN ELEVATION + 5.18[illegible]
		46.583					41.395			

F.B. 1205 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 10:00-10:30AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM 4-23 To [illegible] 4-2[illegible]
Date 9-14-5[illegible] A. C. [illegible]
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
	6232		384		#7	6006		386		
	5848		386			5620		386		BM 4-23 (BELL B-2A)
	5462		770			5234		772		SEE F.B. 1-05
1	17542	5.847		77.0	76°	16860	5.620		77.2	FOR DESCRIPTION
	5550		653			6338		645		
	4897		654			5693		644		⊼ G.E. DREIER
	4243		1307			5049		1289		
2	14690	4.897		207.7		17080	5.693		206.1	
	5950		649			6222		651		
	5301		650			5571		652		
	4651		1299			4919		1303		
3	15902	5.301		337.6		16712	5.571		336.4	
	5729		651			6291		645		
	5078		652			5646		648		
	4426		1303			4998		1293		
4	15233	5.078		467.9		16935	5.645		465.7	
	5495		644			6157		654		
	4851		644			5503		652		
	4207		1288			4851		1306		
5	14553	4.851		596.7		16511	5.504		596.3	
		25.974					28.033			

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 H. F. NAUMANN Weather CLEAR Inst. No. 50,010
Notes by S. SHINODA Time 10:00-10:30 AM Rod No. 7 & 8

Name L. A. Co. PRECISE LEVEL 1st
Job No. 4923
From BM 4-23 To BM 4-[illegible]
Date 9-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5887	25.974 ✓	651	596.7 ✓		6369	28.033 ✓	648	596.3 ✓	
	5236		651			5721		646		
	4585		1302 ✓			5075		1294 ✓		
6.	15708 ✓	5.236 ✓		7269 ✓		17165 ✓	5.[illegible] ✓		7257 ✓	
	6006		653			7063		650		
	5353		653			6413		651		
	4700		1306 ✓			5762		1301 ✓		
7.	16059 ✓	5.353 ✓		8575 ✓		19238 ✓	6.413 ✓		8558 ✓	
	5767		518			7349		516		
	5249		518			6833		516		BM 4-23 (BELL B-2)
	4731		1036 ✓			6317		1032 ✓		SEE F.B. 1205-87
8.	15747 ✓	5.247 ✓		9611 ✓	80°	20499 ✓	6.833 ✓		9590 ✓	FOR DESCRIPTION
F.B. 1205 PG. 186										SUMMATION OF RUN BM 4-23 TO BM 4-[illegible]
										TOTAL BACKSIGHTS + 41.81[illegible] ✓
										" FORESIGHTS − 47.00 ✓
										DIFF IN ELEVATION − 5.18[illegible] ✓
		41.81[illegible] ✓					47.001 ✓			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED 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. Wheaton Weather Clear Inst. No. 50010
Notes by S. Sheridan Time 11:25-1:45 AM Rod No. 7518

Name [illegible]
Job No. 4122
From BM 4-23 To BM 4-24
Date 9-14-51
Indexed K. C. Johnson SEP 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
	7676		649		#7	5497		658		
	7027		650			4839		658		BM 4-23 (Bell [illegible])
	6377		129			4181		131		See F.B. 12-25-[illegible]
1	21090	7.027		129.9	85°	14517	4.839		131.6	For Less [illegible]
	6547		647			5391		648		
	5900		647			4743		645		π G.E. Dar [illegible]
	5253		294			4098		1293		
2	17700	5.900		2593		14232	4.744		3609	
	6843		659			5148		649		
	6184		659			4499		648		
	5525		1318			3851		1297		
3	18552	6.184		3911		13498	4.499		3906	
	6765		665			5693		660		
	6100		665			5035		658		
	5435		1330			4376		1318		
4	18300	6.100		5241		15101	5.034		5224	
	6139		653			4927		646		
	5486		655			4343		645		
	4831		1308			3698		1291		
5	16456	5.485		6549		13030	4.343		6515	
		30.696					23.459			

F.B. 1100 PG. 1871

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 11:25-1:40 Rod No. 78

Name L.A. Co. Precise Level N.
Job No. 4923
From BM 4-23 To BM 4-[illegible]
Date 9-14-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6421	30.696	644	654.9		5577	25.459	661	651.5	
	5777		646			4916		658		
	5131		1290			4258		1319		
6	11329	5776		7839		14751	4.717		7834	
	6548		800			5807		756		
	5748		800			5051		753		
	4948		1600			4298		1509		
7.	17244	5.748		9439	85°	15156	5.052		9343	1 HOUR FOR LUNCH
	6430		654			5790		648		
	5776		654			5140		650		
	5122		1508			4492		1298		
8	17328	5776		10747	892	15424	5.1[illegible]		10641	
	6502		651			5722		647		
	5851		651			5076		647		
	5200		1302			4428		1294		
9	17553	5.85		12049		15225	5.075		11935	
	5835		637			6518		673		
	5198		638			5845		674		
	4560		1275			5171		1347		
10	15593	5198		13324		17534	5.845		13282	
		59.045					49.189			

F.B. 1205 PG. 188

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:25-1:45 AM Rod No. 7 & B

Name L A Co PRECISE 4 [illegible]
Job No. 4923
From BM 4-23 To B 1 4-24
Date 9-14-51
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
	6095	59.045	638	1332.4		6343	49.489	663	1328.2	
	5457		640			5680		662		
	4817		1278			5018		1325		
11	16369	5.456		1460.2		17041	5.680		1460.7	
	5934		648			5824		648		
	5286		648			5176		646		SUMMATION OF [illegible]
	4638		1296			4530		1294		BM 4-23 TO B [illegible] 4-24
12.	15858	5.286		1589.8		15530	5.177		1590.1	
	6491		650			5492		650		
	5841		651			4842		651		TOTAL BACKSIGHTS - 81.859
	5190		1301			4191		1301		" FORESIGHTS - 70.517
13.	17522	5.841		1719.9		14525	4.84[illegible]		1720.2	DIFF IN ELEVATION - 11.3[illegible]
	6868		638			5760		631		
	6230		636			5329		631		BM 4-24 (WATTS [illegible])
	5594		1274			4698		1262		SEE F.B. 1205-27
14	18692	6.231		1847.3	88°	15987	5.327		1846.4	FOR DESCR[illegible]
		81.859					70.517			

F.B. 205 PG. 189

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. 1205 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 1:45-2:45 P.M. Rod No. 7 & 3

Name L A Co PRECISE LEVEL NE
Job No. 4923
From B.M. 4-24 To B.M. 4-23
Date 9-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5762		631		#7	6870		635		
	5331		631			6235		636		B.M. 4-24 (WATTS L 28)
	4700		1262 ✓			5599		1271 ✓		SEE F.B. 1205-29
1	15993 ✓	5.331 ✓		126.2	88°	18704 ✓	6.235 ✓		127.1 ✓	FOR DESCRIPT 2
	5527		654			6525		652		
	4873		652			5873		649		⊼ G.E. DREYER
	4221		1306 ✓			5224		1301 ✓		
2	14621 ✓	4.874 ✓		256.8 ✓		17622 ✓	5.874 ✓		257.2 ✓	
	5800		648			5912		650		
	5152		649			5262		650		
	4503		1297 ✓			4612		1300 ✓		
3	15455 ✓	5.152 ✓		386.5 ✓		15786 ✓	5.262 ✓		387.2 ✓	
	6306		653			6079		650		
	5653		652			5429		651		
	5001		1305 ✓			4778		1301 ✓		
4	16960 ✓	5.653 ✓		517.0 ✓		16286 ✓	5.429 ✓		517.3 ✓	
	6373		651			5738		658		
	5722		651			5079		660		
	5071		1302 ✓			4419		1319 ✓		
5	17166 ✓	5.722 ✓		647.2 ✓		15236 ✓	5.079		649.2 ✓	
		26.732 ✓					27.879 ✓			

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

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINOSE Time 1:45-2:45 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELLET
Job No. 4923
From BM 4-24 To BM 4-[illegible]
Date 9-14-51
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5742	26.732	646	647.2		6522	27.877	651	649.2	
	5096		647			5871		652		
	4449		1293			5219		1303		
6	15287	5.096		7765		17612	5.871		7795	
	5781		649			6417		652		
	5132		649			5767		654		
	4483		1298			5113		1306		
7	15396	5.132		9063		17299	5.766		9101	
	5803		751			6550		801		
	5052		750			5749		801		
	4302		1501			4948		1602		
8	15157	5.052		10564		17247	5.749		10703	
	5662		684			6461		622		
	4978		683			5839		622		
	4295		1367			5217		1244		
9	14935	4.978		11931		17517	5.839		11947	
	5012		645			6164		653		
	4367		647			5511		653		
	3720		1292			4858		1306		
10	13099	4.360		13223		16533	5.511		13253	
		51.356					56.615			

F.B. 1205 PG. 192

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 1:45-2:45 PM Rod No. 7 & 8

Name L.A. Co Precise Lev. Net
Job No. 4923
From BM 4-24 To BM 4-23
Date 9-14-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5711	51.356	661	1322.3		6777	56.615	664	1325.23	
	5050		661			6113		663		
	4389		1322			5450		1327		
11	15150	5.050		14545		18340	6.113		14580	
	4882		655			6566		654		
	4227		655			5912		653		SUMMATION OF R[illegible]
	3572		1310			5259		1307		B.M. 4-24 TO BM 4-23
12	12681	4.227		15855		17737	5.912		15887	
	5429		647			6589		648		
	4782		645			5941		648		TOTAL BACKSIGHTS 70.02[illegible]
	4137		1292			5293		1296		" FORESIGHTS 81.371
13	14348	4.783		17147		17823	5.941		17183	DIFF IN ELEVATION 11.350
	5263		658			7424		634		
	4605		657			6790		634		B.M. 4-23 (BELL [illegible])
	3748		1315			6156		1268		SEE F.B. 1205-2[illegible]
14	13816	4.605		18462	82°	20370	6.790		18451	FOR DESCRIPTION
		70.021					81.371			

F.B. 1205 PG. 193

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

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

F.B. 12205 PG. 194

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 8:30-9:45AM Rod No. 7 & 8

Name L.A. Co. Precise Level [illegible]
Job No. 4923
From BM 4-24 To [illegible] 4-25
Date 9-17-51
Indexed [illegible] 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
	7251		654		#7	5762		652		
	6597		652			5110		651		BM 4-24 (WATTS [illegible]-2 P)
	5945		1306			4459		1303		SEE F.B. [illegible]
1.	19793	6.598		130.6	70°	15331	5.110		130.3	FOR DESCRIPTION
	6632		694			5678		605		
	[illegible]		696			5073		603		⊼ G.E. DREIER
	5242		1390			4470		1208		
2.	17812	[illegible]		2696		15221	5.074		2511	
	6723		615			5536		695		
	6108		616			4841		696		
	5492		1231			4145		1391		
3.	18523	6.108		3927		[illegible]	4841		3902	
	7480		648			4289		651		
	6832		651			3638		652		
	618		1299			2986		1303		
4	20495	6.831		5226		10913	3.638		5205	
	3099		760			7157		758		
	2339		761			6399		758		
	1578		1521			5641		1516		
5.	7016	2.339		6747		19197	6.399		6721	
		27.813					25.062			

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

Name L.A. Co PRECISE LEVEL NET
Job No. 4720
From BM 4-24 To BM 4-[illegible]
Date 9-17-51
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
	6054	27.81	650	674.7		6365	[illegible]	651	672.1	
	5404		651			5714		650		
	4753		1301			5064		1301		
6.	16211	5.404		8048		17143	5.714		8022	
	5712		650			6082		651		
	5062		650			5431		652		
	4412		1300			4779		1303		
7.	15186	5.060		9348		[illegible]	[illegible]		9325	
	5859		648			6327		650		
	5211		648			5677		651		
	4563		1296			5026		1301		
8.	15633	5.211		10644		17030	5.677		10626	
	5948		655			6048		649		
	5343		655			5399		649		
	4688		1310			4750		1298		
9.	16029	[illegible]		11954		[illegible]	[illegible]		11954	
	6353		646			5840		653		
	5707		648			[illegible]		652		
	5059		1294			4637		1305		
10.	17119	5.706		13248		15568	5.189		13229	
		54.539					52.172			

F.B. 205 PG. 196

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. [illegible]
Notes by S. SHINDER Time [illegible] Rod No. 7 & 8

Name L.A. CO. PRECISE [illegible]
Job No. 4923
From BM 4-24 To B 4-25
Date 9-17-51
Indexed [illegible] O. 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
	6481	54.539	650	[illegible]		5702	52.472	651	1322.9	
	5831		650			5251		652		
	5181		1300			4599		1303		
11	17493	5.831		14548		15752	5.25		14535	
	6737		645			5963		658		
	6092		640			5310		656		SUMMATION OF [illegible]
	5450		1287			4654		1307		B.M 4-24 TO 4-
12	18279	6.093		15835		15927	5.307		15841	
	6313		647			5881		650		
	5726		642			5231		650		TOTAL BACKSIGHTS + 7.692
	5079		1295			4581		1300		FORESIGHTS - 4.705
13	17118	5.702		17130		15693	5.231		17141	DIFF. IN ELEVATION + 2.987
	5968		465			6898		456		
	5503		464			6442		456		B.M. 4-25 (NAT [illegible]
	5039		929			5986		912		SEE F.B. [illegible]
14	16510	5.503		18059	74.2	17326	6.442		18053	FOR [illegible]
	77.692					74.705				

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

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

F.B. 1205 PG. 198

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:50-11:00 AM Rod No. 7 & 8

Name L.A. Co. Precise Level No.
Job No. 4923
From BM 4-25 To BM 4-24
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
	6908		451		#7	5987		468		
	6457		453			5519		467		BM 4-25 (WATTS K-[illegible])
	6004		904			5052		935		SEE F.B. 1205 E
1.	19369	6.456		90.4	74°	16558	5.519		93.5	FOR DESCRIPTION
	5871		650			6365		648		
	5221		650			5717		650		T. G.E. DREIER
	4571		1300			5067		1298		
2.	15663	5.221		220.4		17149	5.716		223.3	
	5958		655			6732		645		
	5303		654			6087		646		
	4649		1309			5441		1291		
3.	15910	5.303		351.3		18260	6.087		352.4	
	5889		651			6466		648		
	5238		651			5818		651		
	4587		1302			5167		1299		
4.	15714	5.238		481.5		17451	5.817		482.3	
	5794		652			6304		646		
	5142		654			5658		649		
	4488		1306			5009		1295		
5.	15424	5.141		612.1		16971	5.657		611.8	
		27.359					28.776			

F.B. ____ PG. ____

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. [illegible]
Notes by S. Shinoda Time 9:50-11:00 AM Rod No. 7 & 8

Name L A Co Precise Lev. [illegible]
Job No. 4923
From BM 4-25 To BM 4 1
Date 9-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5930	27.359	651	612.1		5872	28.796	651	611.8	
	5279		651			5221		653		
	4628		1302			4568		1304		
6.	15837	5.279		7423		15661	5.220		7422	
	6303		651			5834		643		
	5652		651			5191		645		
	5001		1302			4546		1288		
7	16956	5.652		8725		15571	5.190		8710	
	6122		651			5750		651		
	5471		652			5099		651		
	4819		1303			4448		1302		
8.	16412	5.471		10028		15297	5.099		10012	
	6352		651			6039		651		
	5701		653			5388		651		
	5048		1304			4737		1302		
9.	17101	5.700		11332		16164	5.388		11314	
	7161		758			3096		759		
	6403		759			2337		760		
	5644		1517			1577		1519		
10.	19208	6.403		12849		7010	2.337		12833	
		55.864					52.030			

F.B./205 PG. 200

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 9:50-11:00 AM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 4-25 To BM 4-24
Date 9-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4293	55.864	652	1284.9		7485	52.030	648	1283.3	
	[illegible]		654			6837		649		
	2987		1306			6188		1297		
11.	10921	3.640		1415.5		20510	6.837		1413.0	
	5562		654			6830		655		
	4901		656			6175		655		SUMMATION OF [illegible]
	4252		1310			5520		1310		BM 4-25 TO BM 4-24
12.	14722	4.907		1546.5		18525	6.175		1544.0	
	5681		651			6541		646		
	5030		652			5895		646		TOTAL BACKSIGHTS + 74.633
	4378		1303			5249		1292		" FORESIGHTS - 77.614
13.	15089	5.030		1676.8		17685	5.895		1673.2	DIFF IN ELEVATION - 2.981
	5838		646			7335		658		
	5192		645			6677		657		BM 4-24 (WATTS 4-3)
	4547		1291			6020		1315		SEE F.B. 1205-2
14.	15577	5.192		1805.9	762	20032	6.677		1804.7	FOR DESCRIPTION
		74.633					77.614			

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. 2005 PG. 202

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 11:15 - 11:45 AM Rod No. 7 & 8

Name L.A. Co. Dr[illegible] Level[illegible]
Job No. 4923
From B.M. 4-25 To B.M. 4-26
Date 9-17-5
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
	7472		634		#7	5509		650		
	6831		637			4859		652		B.M. 4-25 (WAITS [illegible]-2A)
	6201		1271			4207		1302		SEE F.B. 12[illegible]-30
1.	20517	6.837		127.1	79°	14575	4.858		130.2	FOR DESCRIPTION
	6489		647			5763		648		
	5842		648			5115		647		G.E. DREIER
	5174		1295			4468		1295		
2	17525	5.842		2566		15346	5.115		2597	
	6264		660			5403		650		
	5604		660			4753		650		
	4944		1320			4103		1300		
3	16812	5.604		3886		14259	4.753		3897	
	6467		648			5568		652		
	5819		648			4916		653		
	5171		1296			4265		1305		
4.	17457	5.819		5182		14749	4.916		5202	
	6748		649			5413		653		
	6079		650			4760		652		
	5449		1299			4108		1305		
5.	18296	6.079		6481		14281	4.760		6507	
		30.201					24.402			

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shimoda Time 11:15 - 11:45 AM Rod No. 7 & 8

Name L.A. Co Precise Level Pt
Job No. 4923
From BM 4-25 To BM 4-26
Date 9-17-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6716	30.201	648	648.1		5208	24.40[illegible]	651	650.7	
	6068		648			4557		651		
	5420		[illegible]			3906		1302		
6.	18204	6.068		7777		13671	[illegible]		7809	
	6617		650			5447		651		
	5968		650			4836		649		
	5318		1300			4187		1300		
7.	17904	5.968		9077		14510	4.837		9109	
	6397		440			6792		421		
	5957		440			6371		422		BM 4-25 (WATTS J-2E)
	5517		880			5949		843		SEE F.B. 1205-31
8.	17871	5.957		9957	89°	19112	6.371		9952	FOR DESCRIPTION
9.										SUMMATION OF RUN BM 4-25 TO BM 4-2[illegible]
10.										TOTAL BACKSIGHTS + 48.1[illegible] FORESIGHTS − 40.1[illegible] DIFF. IN ELEVATION + 8.0[illegible]
		48.194					40.167			

F.B. 1205 PG. 204

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 9:55 - 10:30 AM Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4925
From B.M. 4-26 To B.M. 4-2[illegible]
Date 9-18-51
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
	6841		428		#7	6437		437		
	6413		426			6000		437		B.M. 4-26 (WATTS [illegible])
	5[illegible]		854			5563		874		SEE F.B. 1205 31
1.	19241	6.414		85.4	80°	18000	6.000		87.4	FOR DESCRIPTION
	5520		652			6652		648		
	4868		650			6004		649		⊼ G.E. DREIER
	4218		1302			5355		1297		
2	14606	4869		2156		18011	6.004		2171	
	5213		649			6726		648		
	4564		651			6078		649		
	3713		1300			5427		1297		
3.	13690	4563		3456		18233	6.078		3468	
	5431		653			6766		649		
	4778		655			6117		650		
	4123		1308			5467		1299		
4	14332	4.777		4764		18350	6.117		4767	
	5517		648			6422		651		
	4869		649			5771		652		
	4220		1297			5119		1303		
5.	14606	4.869		6061		17312	5.771		6070	
		25.492					29.970			

F.B. 1205 PG. 205

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN 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. SH[illegible] Time 9:55-10:30 AM Rod No. 7 & 8

Name L.A. Co. Precise Level
Job No. 49[illegible]
From BM 4-26 To BM 4-5
Date [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
	5342	25.49	651	606.1		6204	29.970	662	607.0	
	4691		648			5544		663		
	4043		1297			4881		1325		
6	14076	4.692		7360		16631	5.544		7395	
	5740		658			6448		638		
	5082		658			5810		639		
	4424		1316			5171		1277		
7	15246	5.082		8676		17429	5.810		8672	
	5678		653			7648		639		
	5025		653			7009		638		B.M. 4-25 (WATTS K-2
	4372		1306			6371		1277		SEE F.B. 1205-30
8	15075	5.025		9982	84°	21028	7.[illegible]		9949	FOR DESCRIPTION
										SUMMATION OF RUN BM 4-26 TO BM 4-2
										TOTAL BACKSIGHTS + 40.[illegible]
										" FORESIGHTS − 48.3[illegible]
										DIFF. IN ELEVATION − 8.04[illegible]
		40.291					48.[illegible]33			

F.B. 1205 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. SAMUDA Time 11:00-11:35 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 4-25 To B.M. 4-26
Date 9-18-51
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
1.	7381 6743 6107 20231	6.744	638 636 1274	127.4	86°	5408 4758 4108 14274	4.758	650 650 1300	130.0	B.M. 4-25 (WATTS 1-25) SEE F.B. 1205-30 FOR DESCRIPTION
2.	6383 5736 5088 17207	5.736	647 648 1295	256.9		5651 5008 4360 15027	5.009	651 648 1299	259.9	⊼ H F NAUMANN
3	6327 5667 5007 17001	5.667	660 660 1320	388.9		5468 4816 4163 14447	4.816	652 653 1305	390.4	
4.	6396 5744 5094 17234	5.745	652 650 1302	519.1		5496 4844 4193 14533	4.844	652 651 1303	520.7	
5	6683 6037 5388 18108	6.036	646 649 1295	648.6		5352 4698 4043 14093	4.698	654 655 1309	651.6	
		29.928					24.125			

F.B. 1205 PG. 207

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 11:00-11:35 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-25 To BM 4-[illegible]
Date 9-18-51
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
	6703	29.928	656	648.6		5174	29.125	639	651.6	
	6047		657			4535		642		
	5390		1313			3893		1281		
6.	18140	6.047		7799		13602	4.534		7797	
	6564		649			5430		650		
	5915		651			4780		650		
	5264		1300			4130		1300		
7.	17743	5.914		9099		14340	4.780		9097	
	6328		437			6732		426		
	5891		437			6306		426		B.M. 4-26 (WAITS J-2E)
	5454		874			5880		852		SEE F.B. 1205-31
8.	17673	5.891		9973	88°	18918	6.306		9949	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 4-25 TO B.M. 4-26
										TOTAL BACKSIGHTS +47.78[illegible]
										— FORESIGHTS −39.74[illegible]
										DIFF IN ELEVATION +8.03[illegible]
		47.780					39.745			

F.B. 1205 PG. 208

FORM 379 SM 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 J. SHINODA Time 1:10 - 1:45 PM Rod No. 7 & 3

Name L.A. Co. Precise [illegible]
Job No. 4723
From B.M. 4-2 To [illegible]
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
	7272		637		#7	6527		648		
	6635		638			5879		649		B.M. 4-2 (W 775 [illegible] 2E)
	5717		1275			5230		1297		SEE F.B. 1205-31
1.	17904	6.635		1275	86°	17636	5.879		1297	FOR DESCRIPT[illegible]
	6496		648			6020		649		
	5828		649			5371		650		π G.E. DREIER
	5179		1297			4721		1299		
2	17483	5.828		2572		16112	5.371		2576	
	6113		654			5719		641		
	5459		656			5078		641		
	4803		1310			4437		1282		
3	16375	5.458		3882		15234	5.078		3878	
	6259		648			5803		650		
	5611		647			5153		650		
	4964		1295			4503		1300		
4	16834	5.611		5177		15459	5.153		5178	
	6237		646			5964		652		
	5591		647			5312		652		
	4944		1293			4660		1304		
5	16772	5.59[illegible]		6470		15936	5.312		6482	
		29.123					26.793			

F.B. 1205 PG. 209

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. SHINSHA Time 1:10 - 1:45 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL LET
Job No. 4923
From B.M. 4-26 To B.M. 4-27
Date 9-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6134	29.123	646	647.0		5265	26.793	648	648.2	
	5488		646			4617		650		
	484-		1292			3967		1298		
6.	16464	5.488		776.2		13849	4.616		7780	
	6630		637			6112		604		
	5983		636			5508		606		B.M. 4-27 (WATTS J-2B)
	5347		1273			4902		1210		SEE F.B. 1205-32
7	17950	5.983		903.5		16522	5.507		8990	FOR DESCRIPTION
					86°					SUMMATION OF RUN B.M. 4-26 TO B.M. 4-27
										TOTAL BACKSIGHTS + 40.5[illegible]
										" FORESIGHTS - 36.9[illegible]
										DIFF. IN ELEVATION + 3.6[illegible]
		40.574					36.[illegible]16			

F.B. 1205 PG. 210

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A.C. [illegible]
Job No. 4923
From BM 4-27 To B 1-4-26
Date 9-19-51
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
	6103		603		#7	6617		639		
	5500		604			5978		646		B.M. 4-27 (WATTS [illegible])
	4896		1207			5332		1279		SEE F.B. 1-05 [illegible]
1	16499	5.500		120.7	80°	17933	5.977		127.9	FOR DES. [illegible]
	5311		665			6146		629		
	4646		667			5517		629		TO G.E. DREER
	3979		1332			4888		1258		
2	13936	4.645		253.9		16551	5.517		253.7	
	5930		650			6208		649		
	5280		650			5559		648		
	4630		1300			4911		1297		
3	15840	5.280		383.9		16678	5.559		383.4	
	5800		649			6259		650		
	5151		650			5609		650		
	4501		1299			4959		1300		
4	15452	5.151		513.8		16827	5.609		513.4	
	5075		650			5473		645		
	4425		652			4828		646		
	3773		1302			4182		1291		
5	13273	4.424		644.0		14423	4.807		642.5	
		25.000					27.471			

F.B. 1205 PG. 211

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. [illegible] Weather CLEAR Inst. No. [illegible]
Notes by [illegible] Time 9:15-9:50 Rod No. [illegible]

Name L.A. Co. Precise Level
Job No. [illegible]
From [illegible] 4-21 To [illegible] 4-[illegible]
Date 5-18-51
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
	6013	25.000	[illegible]	644.0		247027.171		650	643.5	
	5363		[illegible]			5820		642		
	4713		1305			5171		1299		
6.	16079	5.363		7745		17461	5.820		7724	
	6528		648			7272		637		
	5880		649			6635		639		B.M. 4-26 (WATTS J-21)
	5231		1297			5996		1276		SEE F.B. 1205 31
7.	17639	5.880		9037	80°	19903	6.634		9000	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 4-27 to BM 4-2[illegible]
										TOTAL BACKSIGHTS +36.2[illegible]
										" FORESIGHTS −39.9[illegible]
										DIFF IN ELEVATION − 3.6[illegible]
		36.243					39.925			

F.B. 1205 PG. 212

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 SHARP Inst. No. 50010
Notes by S. SHINODA Time 1:45-3:00 PM Rod No. 7 F B

Name L.A. Co. PRECISE LEVEL N.
Job No. 4923
From BM 4-21 To BM 4-22
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
	6345		621		#7	5869		653		
	5724		622			5216		655		B.M. 4-27 (WATTS 2)
	4102		1243			4561		1308		SEE F.B. 1205-[illegible]
1.	17171	5.724		1243	86°	15746	5.215		1308	FOR DESCRIPTION
	5533		801			4992		797		
	4732		801			4195		797		X G.E. DREIER
	3931		1602			3397		1595		
2	14196	4.732		2845		12314	4.105		2903	
	6379		662			5788		633		
	5717		663			5355		633		
	5054		1325			4722		1266		
3	17150	5.717		4170		16065	5.355		4169	
	6433		651			6032		649		
	5782		650			5383		649		
	5132		1301			4734		1298		
4.	17347	5.782		5471		16149	5.383		5467	
	6608		647			6579		656		
	5961		647			5923		655		
	5314		1294			5268		1311		
5.	17883	5.961		5965		17770	5.923		6778	
		27916					25.981			

F.B. 1205 PG. 213

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 1:45-3:00 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL [illegible]
Job No. 4923
From BM 4-27 To BM 4-28
Date 9-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5771	27.912	645	676.5		5923	25.981	650	677.8	
	5126		646			5273		650		
	4480		1291			4623		1300		
6	15377	5.126		8056		15819	5.[illegible]73		8078	
	6218		652			6108		651		
	5566		653			5457		652		
	4913		1305			4805		1303		
7.	16697	5.566		9331		16370	5.457		9381	
	6239		652			5892		649		
	5587		651			5243		649		
	4936		1303			4594		1298		
8.	16762	5.587		10664		15729	5.[illegible]43		10679	
	6176		648			5888		648		
	5528		648			5240		647		
	4880		1296			4593		1295		
9.	16584	5.528		11960		15721	5.240		11974	
	6285		657			6027		646		
	5628		657			5383		646		
	4971		1314			4737		1292		
10.	16884	5.628		13274		16149	5.[illegible]		13266	
		55.351					52.577			

F.B. 1205 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 1:45-3:00PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEV. NET
Job No. 4923
From B.M. 4-27 To B.M. 4-28
Date 9-17-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5947	5.5351	657	1327.4		6306	5.577	647	1326.6	
	5290		659			5659		649		
	4631		1316			5010		1296		
11.	15868	5.289		1459.0		16975	5.658		14562	
	5830		654			6240		649		
	5176		655			5591		650		SUMMATION OF RUN
	4521		1309			4941		1299		B.M. 4-27 TO B.M. 4-28
12.	15527	5.176		15899		16772	5.591		15861	
	6003		812			5611		796		TOTAL BACKSIGHTS 76.146
	5191		812			4815		795		" FORESIGHTS 73.884
	4379		1624			4020		1591		DIFF. IN ELEVATION 2.262
13	15573	5.191		17523		14446	4.815		17452	
	5922		782			6038		795		
	5140		784			5243		794		B.M. 4-28 (U.S. 4077) (LATTS [illegible])
	4356		1566			4449		1589		SEE F.B. 1205-35
14.	15418	5.139		19083	90°	15730	5.243		19041	FOR DESCRIPTION
		76.146					73.884			

F.B. 1205 PG. 215

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. 1205 PG. 216

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE LEVEL NE
Job No. 4923
From BM 4-28 To BM 4-27
Date 9-17-51
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
	6013		795		#7	5898		785		
	5218		798			5113		782		BM 4-28 (U.S. 4077) (WATTS H-24)
	4420		1593 ✓			4331		1567 ✓		SEE F.B. 1205-33
1.	15651 ✓	5.217 ✓		159.3 ✓	90°	15342 ✓	5.114 ✓		156.7 ✓	FOR DESCRIPT[illegible]
	5610		800			5976		811		
	4810		801			5185		810		⊼ G. E. DREER
	4009		1601 ✓			4375		1621 ✓		
2	14429 ✓	4.810 ✓		3194 ✓		15556 ✓	5.185 ✓		3188 ✓	
	6232		649			5810		652		
	5573		651			5158		655		
	4922		1300 ✓			4503		1307 ✓		
3	16717 ✓	5.57[illegible] ✓		4494 ✓		15471 ✓	5.1[illegible] ✓		4495 ✓	
	6319		646			5951		657		
	5673		646			5302		65[illegible]		
	5027		1292 ✓			4648		1316 ✓		
4	17019 ✓	5.673 ✓		5786 ✓		15904 ✓	5.301 ✓		581.1 ✓	
	5111		648			5582		647		
	4463		646			4935		648		STAGGED 3:45 PM [illegible]
	3817		1294 ✓			4287		1295 ✓		
5.	13391 ✓	4.464 ✓		7080 ✓	90°	14804 ✓	4.935 ✓		7106 ✓	
		25.736 ✓					25.692 ✓			

F.B. 1205 PG. 217

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN 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. [illegible]
Notes by [illegible] Time 8:30-9:15 AM Rod No. [illegible]

Name [illegible] Precise Level [illegible]
Job No. 4923
From BM 4-28 To BM 4 7
Date 9-18-51
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
	6131	25.736	653	702.0		6184	[illegible]	645	710.6	
	5477		655			5539		646		
	4823		1308			4813		1291		
6	16432	5.477		8388	74°	16616	5.[illegible]39		8397	
	5927		652			6067		649		
	5275		652			5620		647		
	4623		1304			4971		1298		
7	15825	5.275		9692		16862	5.620		9695	
	6084		648			6198		652		
	5436		65[illegible]			5546		654		
	4786		1298			4812		1306		
8.	16306	5.435		10990		16636	[illegible]		11001	
	5930		648			5781		647		
	5282		649			5134		647		
	4633		1297			4497		1294		
9.	15845	5.2[illegible]		12287		15422	[illegible]		12295	
	6577		656			6628		64[illegible]		
	5941		655			5979		641		
	5286		1311			5330		1298		
10.	17824	5.941		13598		17937	5.[illegible]		13593	
		53.140					53.509			

F.B. 1205 PG. 218

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:30-9:15 A.M. Rod No. 7 & 8

Name LA CO PRECISE LEVEL NET
Job No. 4923
From BM 4-28 To B 7 4-27
Date 9-18-51
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
	6093	53.146	644	1357.7		6505	53.509	655	1359.3	
	5449		644			5850		658		
	4805		1288			5192		1313		
11	16347	5.449		1488.6		17547	5.849		1490.6	
	5979		648			6344		647		
	5331		645			5697		650		SUMMATION [illegible]
	4686		1293			5047		1297		BM 4-28 TO BM 4-27
12	15176	5.332		1617.9		17088	5.696		1620.3	
	5483		786			6137		814		TOTAL BACKSIGHTS + 73.851
	4697		789			5323		811		— FORESIGHTS − 76.114
	3928		1575			4512		1625		DIFF. IN ELEVATION − 2.263
13	14088	4.696		1775.4		15972	5.324		1782.8	
	5893		665			6349		612		
	5228		666			5737		614		BM 4-28 (WATTS 3-23)
	4562		1331			5123		1226		SEE F.B. 1205-32
14	15683	5.228		1908.5	80°	17209	5.736		1905.4	FOR DESCRIPTION
		73.851					76.114			

F.B. 1205 PG. 210

1205

LOS AN[illegible] [illegible]TURN TO [illegible]UNTY SURVEYOR [illegible] RECORDS

ANY [illegible] SH[illegible] IN [illegible] OF [illegible] [illegible] THIS [illegible] CIRCLED [illegible] AND NAME [illegible]

[illegible] DO N[illegible] EXTEND [illegible] SIDE [illegible]

Chief of Party ..... Weather ..... Inst. No. ..... [illegible]me .....

Notes by ..... Time ..... Rod No. ..... Job No. .....

From ..... To .....

Date .....

[illegible] .....

Number of Station	BACKSIGH[illegible]					FORESI[illegible]				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Th[illegible] Inte[illegible]	Sum of Intervals	[illegible]	Thre[illegible] [illegible]ding	M[illegible]	Thread Intervals	Sum [illegible] Interva[illegible]	

F.B. 1205 PG. 220