Notes Ck'd by	Survey of
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H.F. NAUMANN
Checked	Notes DREIER Date 8-51
Date	Indexed A. C. Johnson 9-5-51

F. B. 1204 PG. 5

LINE # 3

L.A. COUNTY PRECISE LEVEL NET

JOB # 4923.

H.F. NAUMANN
G.E. DREIER
E. LANDA
M. SONNENSCHEIN
S. SHINODA
T. OHASHI

1204

Microfilmed Dec '87
P.W. Dept. file o.k.

F. B. 1204 PG. 6

B.M. 3-1 (U.S. 3999)(M 778)

N 778 - In L.A County about 0.9 mile NW along the Atchison Topeka & Santa Fe Railway from the Station at Buena Park, Orange Co. about 152 ft SE. of the center St., 42.3 ft NE. of the NE rail of the NE track, and 36.2 ft SW of the ℄ of Stage road. A std disk stamped "M 778 1945" and set in the top of a concrete post.

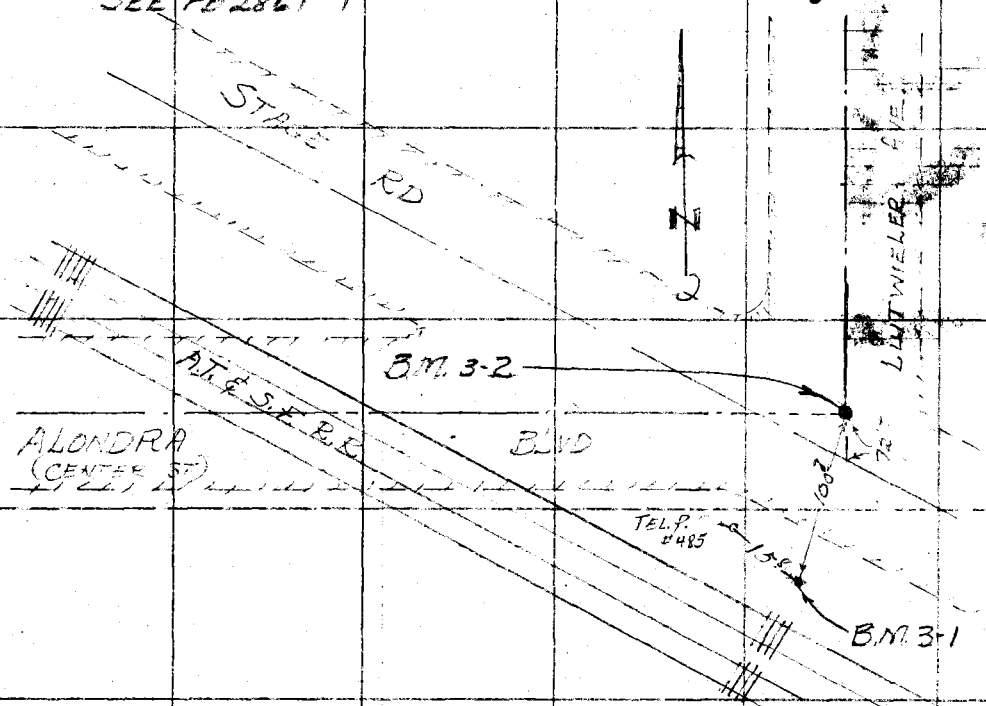
L.A.Co. 1952 Adj. 109.993

B.M. 3-2

Stage road & Luitwieler Ave., A standard County Surveyor Monument marked: "22|23 27|26", Set in concrete 16 inches below surface on approx. ℄ of Luitwieler Ave. 72'± N of ℄ of Stage road in a well cut through pavement and protected by a cast iron cover, marked "County Surveyor Monument."

L.A.Co. 1952 Adj. 109.862

SEE FB 2861-7



OK 10-25-65 G.E.D.

NOT RECOVERED 8/21/61 GEB

NOT RECOVERED 8/23/61 GEB

22 23
27 26

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. 1923 Tape No. St'd. °F
Office Work	Surveyed by R. F. NAUMANN
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson

F. B. 1204 PG. 7

B.M. 3-3 (U.S. 4000)(N 778)

FOUND DESTROYED 5-12-59 G.E.D.

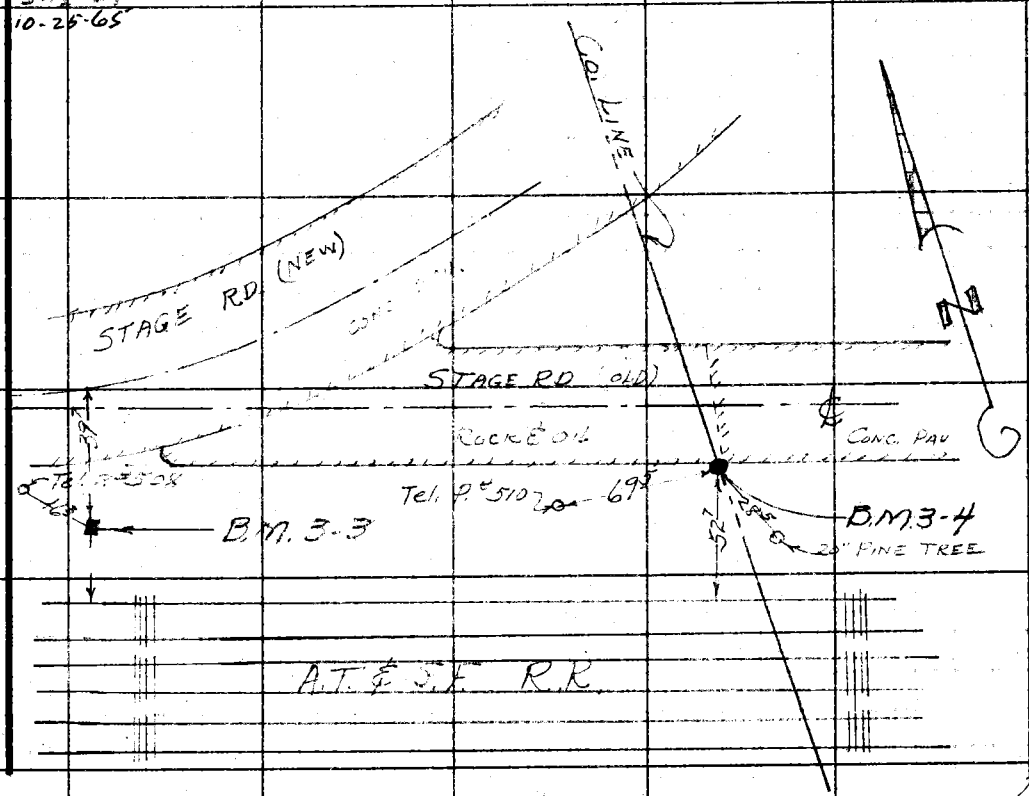
N 778 - In L.A. County, about 0.4 mile NW along the Atchison, Topeka & Santa Fe Railway from the Sta at Buena Park, Orange Co. about 300 ft. NW of the Los Angeles Orange Co. line, 29 ft NE of the NE rail, and 40 ft SW of the ℄ of Stage road. A std disk stamped "N 778 1945" and set in the top of a concrete post.

L.A. Co. 1952 Adj. 101.179

B.M. 3-4 (U.S. 4001)(Artesia L 3)

SEE PAGE 8 FOR DESCRIPTION.

OK 5-12-59 10-25-65



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

Do not extend notes this side of this line.

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

76F3098 247 10M 1-49

F. B. 1224 PG. 8

B.M. 3-4 (U.S. 4001) (ARTESIA L-3)

Artesia L 3 (LAC). -- In L.A. County, about 0.4 mile NW along Atchison, Topeka & Santa Fe Rail Way from the sta at Buena Park, at the Los Angeles Co. line, 23.9 ft NW of an Orange Co. welcome-sign, about 250 ft SE of a Y-intersection, 52.7 ft NE of the NE rail, 9.4 ft SW of the ℄ of Stage Road, and at the edge of the black-top pavement. A L.A. Co. Survey Control Vertical Std disk, stamped "L-3 ARTESIA 1942" and set in the top of a concrete post about 8 inches below road level, access to which is had through a cast-iron cover marked "COUNTY SURVEYOR [illegible]"

L.A.Co. 1952 Adj: 38.565.

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.

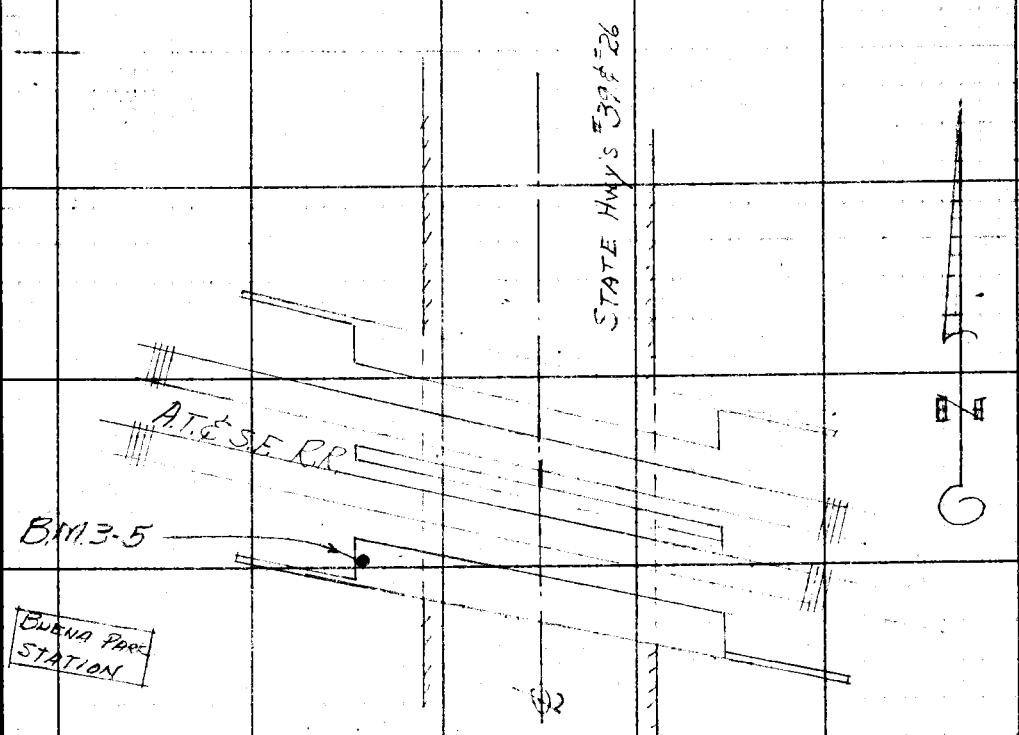
Notes Ck'd by	Survey of
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by H.F. NAUMANN
Checked	Notes DREIER Date 8-15-51
Date	Indexed H. C. Johnson

F. B. 1204 PG. 4

B.M. 3-5 (U.S. 4002) (S 778)

S 778 At Buena Park, Orange Co, on the Atchison, Topeka & Santa Fe Railway, 60.9 ft. SE of the SE end of the Sta, at bridge BA 161 over State Highway 39, in the top of the NW abutment, and 4 ft. SW of the SW rail. A std disk, stamped "S 778 1946."

L.A.Co. 1952 Adj. 90.011 ✓



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

Do not extend notes this side of this line.

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

76F3098 247 10M 1-49

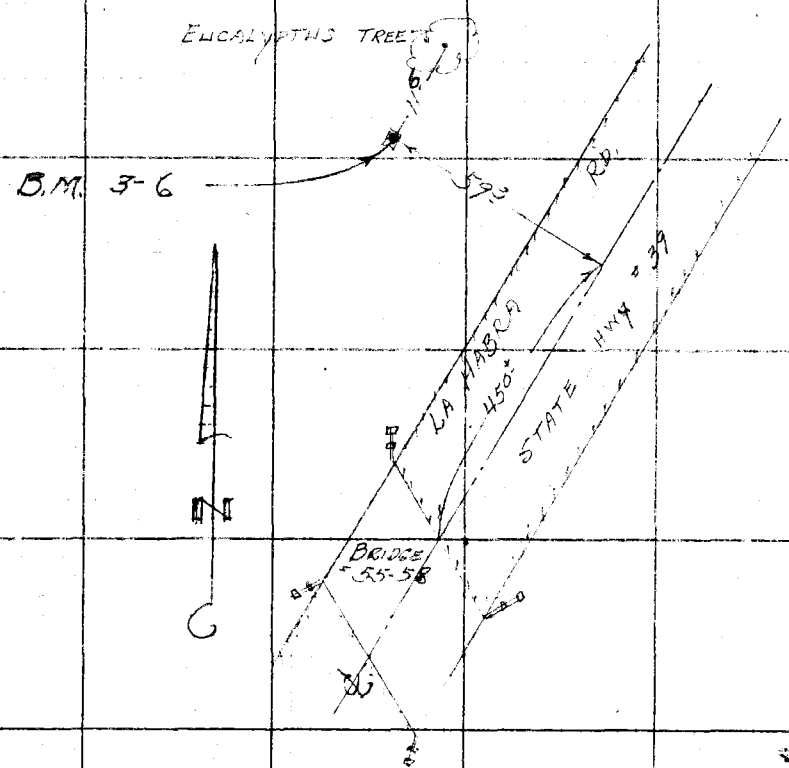
F. B. 1204 PG. 10

B.M. 3-6 (U.S. 4003)(R-778)

R 778. -- About 0.6 mile N along State Highway 39 from the underpass at the Atchison, Topeka & Santa Fe Railway at Buena Park, Orange Co. About 0.05 mile N of a bridge over a drainage ditch 59.3 ft W of the ℄ of the highway, 11.6 ft. S of a lone tree 1.2 ft E of a white wooden witness post, and about level with the road. A std disk stamped "R 778-[illegible]" and set in the top of a concrete post projecting about 0.3 ft above ground

NOT RECOV. 10-25-65 J.E.D.
HWY WIDENED.

L.A.Co. 1952 Adj: 108.531 ✓



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]
Map No.	W. O. 4923 Tape No. St'd °F
Office Work	Surveyed by H. E. NAUMANN
Checked	Notes DREIER Date 8-15-51
Date	Indexed [illegible]

F. B. 120 # PG. 11

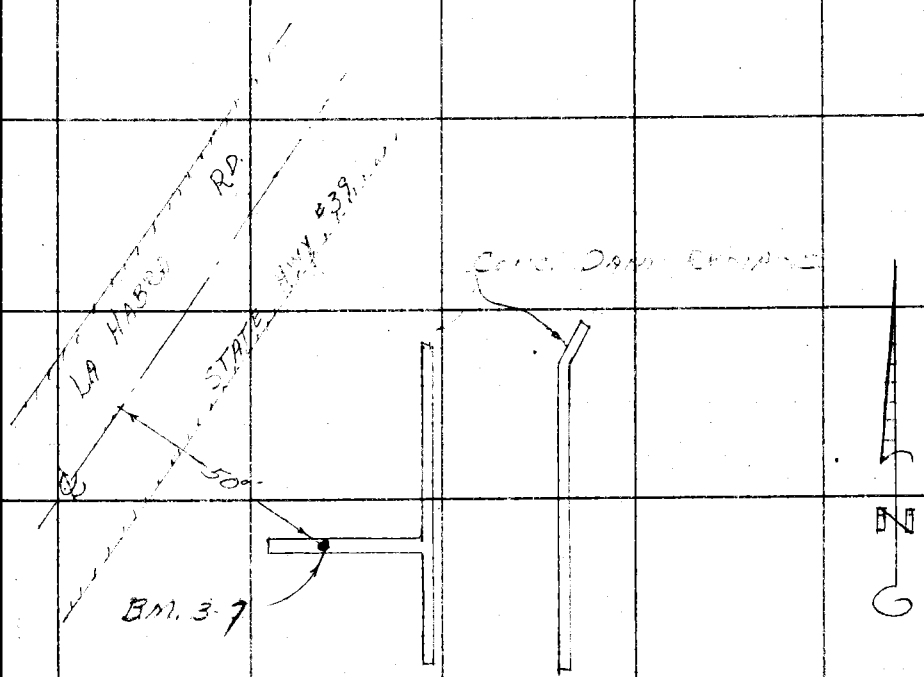
NOT FOUND 5-12-51
MAY BE BURIED

B.M. 3-7 (U.S. 2770) (U-97)

U 97. — About 1.2 miles N along the highway to La Habra from Buena Park, Orange Co. about 50 ft. E of the center line of the highway, and in the top of the wing wall of an abandoned dam. A standard disk, stamped "U 97 1932."

L.A. Co. 1952 Adj. 152.967 ✓

BM. 3-7A
SEE FB 2861-8



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

Do not extend notes this side of this line.

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

76F3098 247 10M 1-49

F. B. 1204 PG. 12

B.M. 3-8 (LA HABRA C-12A)

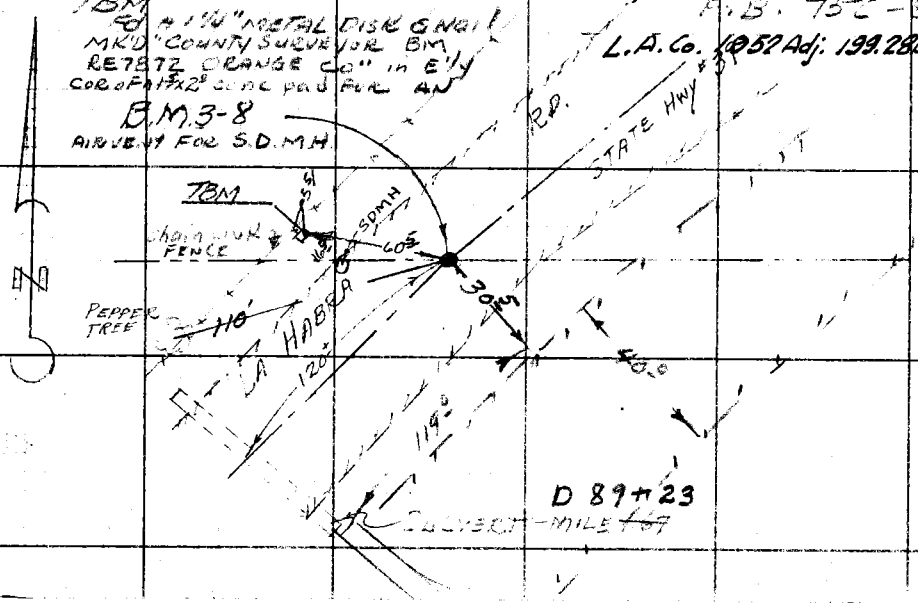
This station is in the La Habra district at the intersection of La Habra Rd. (State Hwy #39) and proposed Rosecrans Ave. about 1-1/4 miles southwesterly from Imperial Hwy, 119.7 ft. northeasterly (measured along the center line of La Habra Rd.) from 18 inch corrugated iron culvert [illegible] and in a well [illegible] and protected [illegible] iron cover marked: "County Surveyor [illegible]".

Station Mark: A standard 4 inch brass tablet inscribed: "L.A. County Survey Control System [illegible] Station La Habra C-12A R.E. 2177 Set by County Surveyor 1942" was set in concrete 2 inches below the subgrade of street. This [illegible] is [illegible] of a [illegible] spike [illegible] marking the intersection of the [illegible] Boundary with the center line [illegible] tangent of a [illegible] on La Habra [illegible], as per F.B. 756-8

REFERENCE: F.B. 931-7778

F.B. 756-8

L.A. Co. 1952 Adj. 199.280 ✓



FD. 2" I.P. IN CONC. WITH L&NAIL 10-25-65 H.E.D. POSSIBLY ORANGE CO. REPLACE.

Not LA HABRA C-12A Fits description of RM #4

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.

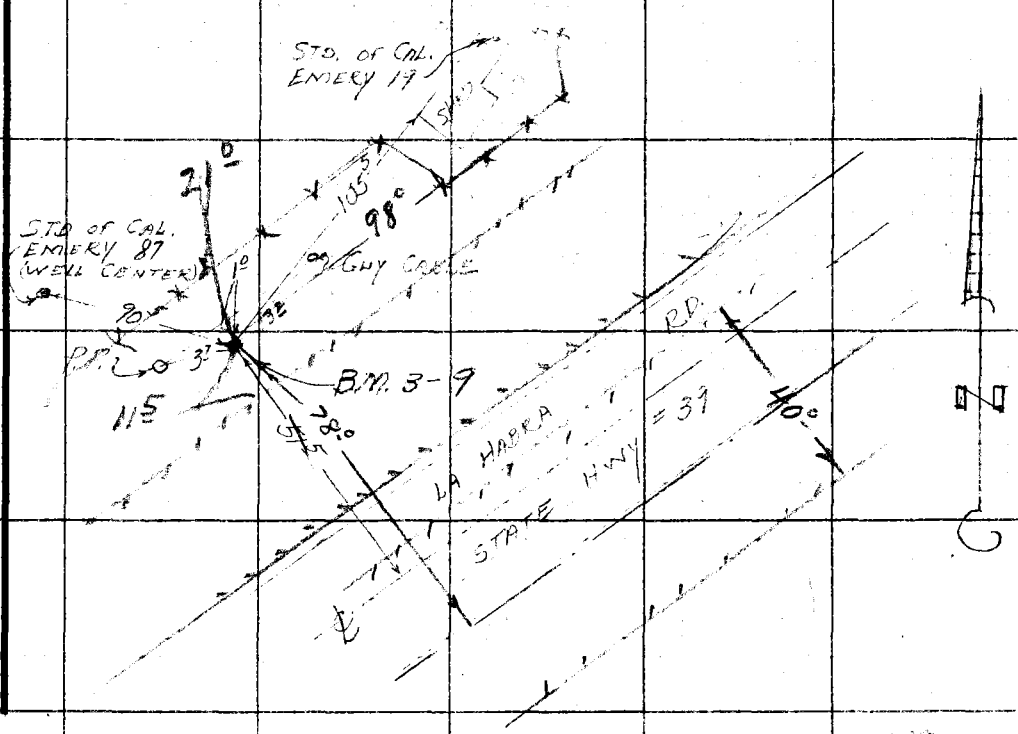
Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by H.F. NAUMANN
Checked	Notes DREIER Date 8-19-51
Date	Indexed C. Johnson

F. B. 1204 PG. 13

B.M. 3-9 (U.S. 4004) (M-779)

[illegible] Co., about 2.0 miles N along State Hwy 39 from the Atchison Topeka & Santa Fe Railway Sta. at Buena Park, Orange Co, at the junction of a road leading through an oil-field, 51.5 ft W of the ℄ of Hwy, 22 ft. N of the ℄ of the road, 3.6 ft. N of a guyed power-transmission line pole, and 1.3 ft. S of a white wooden witness post. A Std. disk, stamped "M 779 1946" and set in the top of a concrete post projecting about 24" ~~2 inches above~~ BELOW ground.

L.A. Co. 1952 Adj: 187.535 ✓



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

Do not extend notes this side of this line.

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

76F3095 247 10M 1-49

F. B. 1204 PG. 14

B.M. 3-10 (LA HABRA C-12)

THIS B.M. IS NEAR THE LOS ANGELES-ORANGE COUNTY BDY., ON LA HABRA RD. (STATE HWY #39), ABOUT 0.85 MI. SOUTHWESTERLY FROM ITS INTERSECTION WITH IMPERIAL HWY., 17.0 FT. NORTHWESTERLY FROM THE NORTHWEST EDGE OF PAVEMENT ON LA HABRA RD., 106.4 FT NORTHEASTERLY FROM A LINE AT RIGHT ANGLES TO THE HIGHWAY AND PASSING THROUGH THE CASING HEAD OF STANDARD OIL CO. DERRICK "EMERY #22" AND IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "CO SURVEYOR MONUMENT".

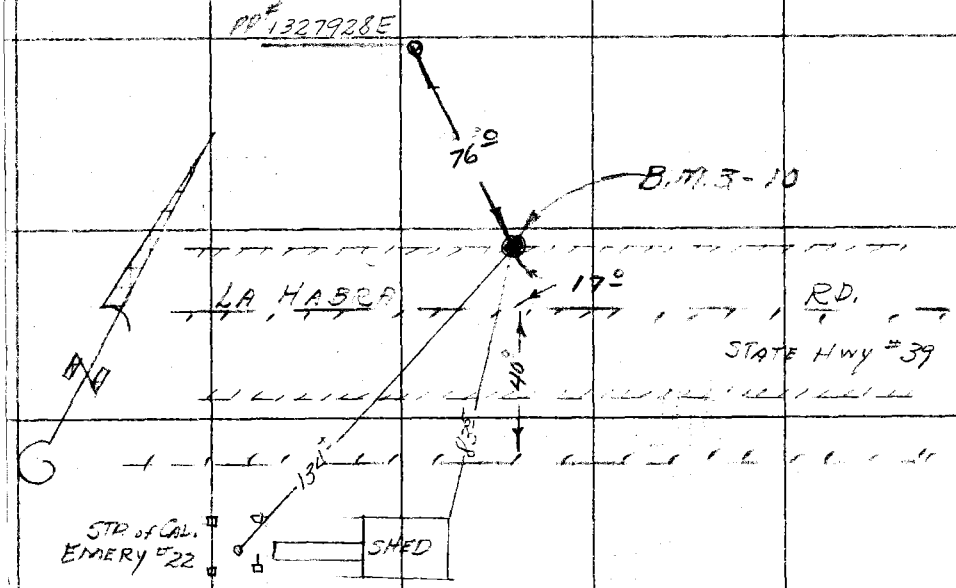
STATION MARK: A STANDARD 4 INCH BRASS TABLET INSCRIBED: "L.A. COUNTY CONTROL SYSTEM TRAVERSE STATION LA HABRA C-12 R.E. 2177 SET BY COUNTY SURVEYOR 1942" WAS SET IN CONCRETE 2 INCHES BELOW SUBGRADE OF STREET

NO SUB-SURFACE MARK.

REFEREENCE: F.B. 931-25, 76.

L.A.Co. 1952 Adj. 202.191 ✓

NOT FOUND HWY WIDENED W'LY 10-25-65 G.F.D.



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
Map No.	W. O. 1923 Tape No. St'd. °F
Office Work	Surveyed by H. E. NAUMANN
Checked	Notes DREIER Date 8-15-51
Date	Indexed C. Johnson

F. B. 1204 PG. 15

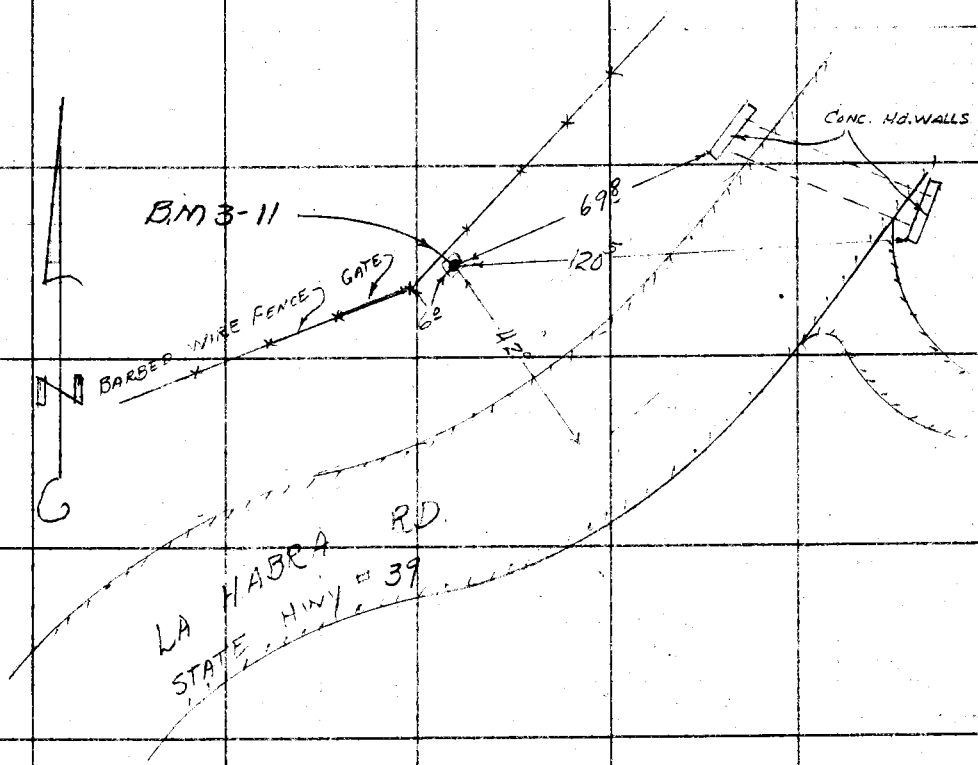
NOT FOUND 5-12-51

B.M. 3-11 (U.S 4005)(N 779).

N 779.- - About 2.5 miles NE along State Highway 39 from the Atchison, Topeka & Santa Fe Railway sta. at Buena Park, Orange Co., about 100 ft. SW of a Y-road intersection, 13.5 Ft. N of the center of a large Wooden gate, 42 ft. NW of the ℄ of the highway, 1.1 ft. E of a wire fence, and 1.6 ft. N of a white Wooden witness Post. A std disk, stamped "N 779 1946" and set in the top of a Concrete post about flush with ground.

L.A. Co. 1952 Adj. 196.528

SEE FB 2861-9



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

Do not extend notes this side of this line.

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

76F3098 247 10M 1-49

F. B. 1204 PG. 16

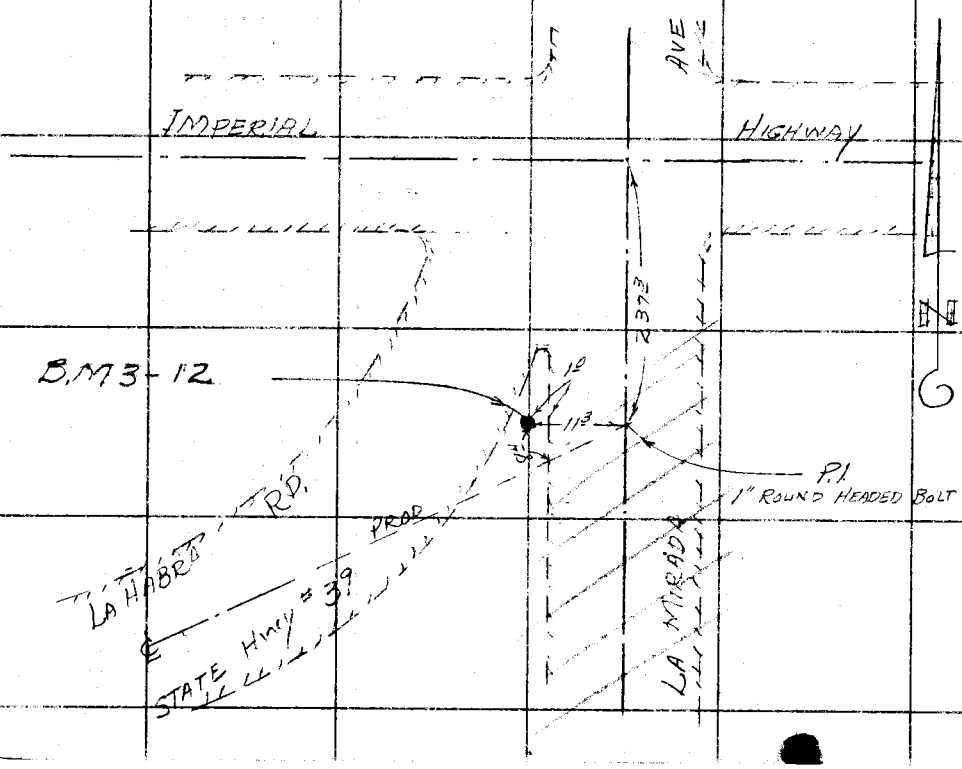
B.M. 3-12 (LA HABRA D-11)

This Station is in the La Habra district of Orange County, near the intersection of Imperial Hwy. and La Mirada Ave., 11.3 Ft. Westerly from a one inch round headed bolt on the centerline of La Mirada Ave. (P.I. of a curve on La Habra Rd.) and about 237 Ft. Southerly from the approximate center line of Imperial Hwy.

Station Mark: A standard 4 inch brass tablet inscribed: "L.A. County Survey Control System Traverse Station La Habra D-11 R.E 2177 Set by County Surveyor 1942" was set in Concrete 15 inches below surface of pavement.

REFERENCE: F.B. 931-73, 74

L.A.Co. 1952 Adj. 210.313 ✓



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. [illegible] Pg. 17
Map No.	W. O. [illegible] Tape No. St'd. °F	
Office Work	Surveyed by H C NAUMANN	
Checked	Notes PREIER Date 8-15-51	
Date	Indexed K. C. Johnson	

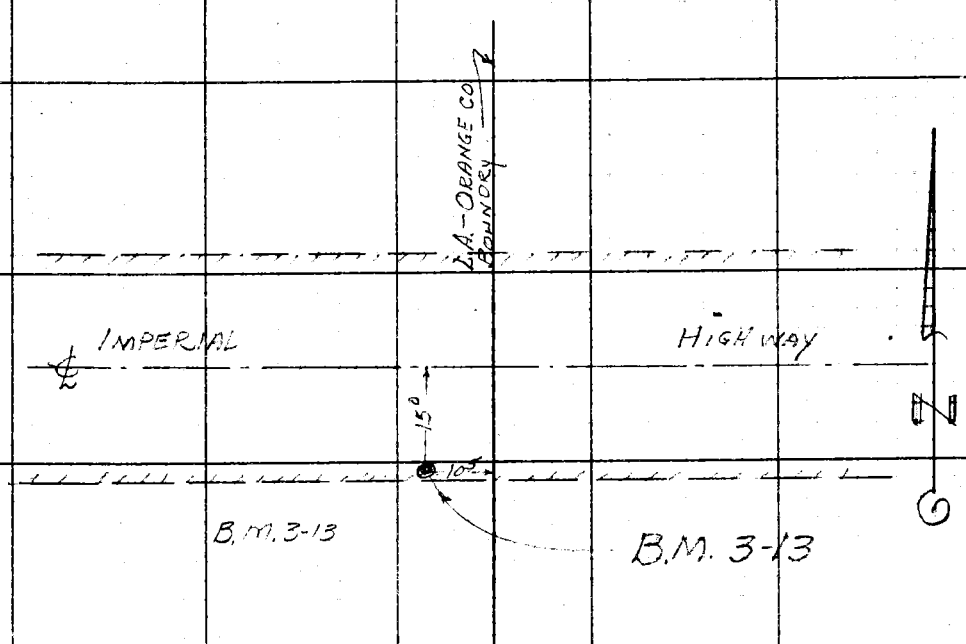
B.M. 3-13

DESTROYED BY CHANGE OF HWY GRADE 5-11-59

IMPERIAL HIGHWAY AT LOS ANGELES - ORANGE COUNTY BOUNDRY, A STANDARD COUNTY SURVEYOR MONUMENT - BE 3.29 MARKED: - "BM 3-13 1951" SET IN CONCRETE 12 INCHES BELOW THE SURFACE, 15 FT SOUTH OF THE ℄ OF IMPERIAL HWY. AND 10.5 FT. WEST OF L.A. ORANGE COUNTY BOUNDRY, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. 283.344

SEE FB 2861-11



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

Do not extend notes this side of this line.

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

76F3098 247 10M 1-49

F. B. 1204 PG. 18

B.M. 3-14

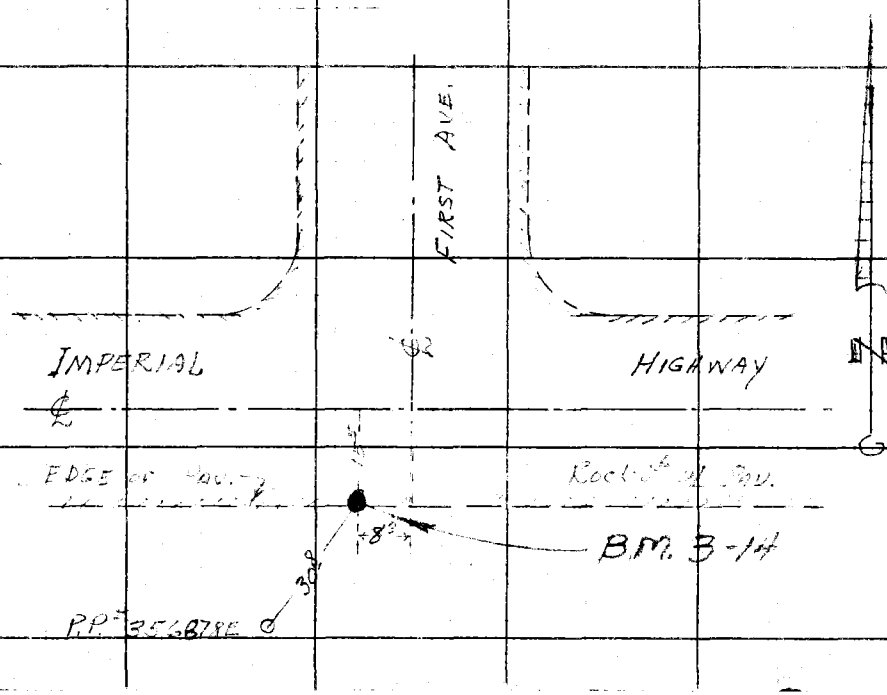
IMPERIAL HIGHWAY AND FIRST AVE.,
A STANDARD COUNTY SURVEYOR MONUMENT
RE. 329, MARKED "E.M. 3-14 1951", SET IN CONCRETE 12" BELOW THE SURFACE, 15.5 FT. S. OF THE ℄ INTERSECTION OF IMPERIAL HWY AND FIRST AVE., AND 8 FT. W. OF THE ℄ OF FIRST AVE. PRODUCED, IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A.Co. 1952 Adj: 298.237'

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
Map No.	W. O. 4723 Tape No. St'd. °F
Office Work	Surveyed by H. F. NAUMANN
Checked	Notes DREIER Date 8-19-51
Date	Indexed R. C. Johnson

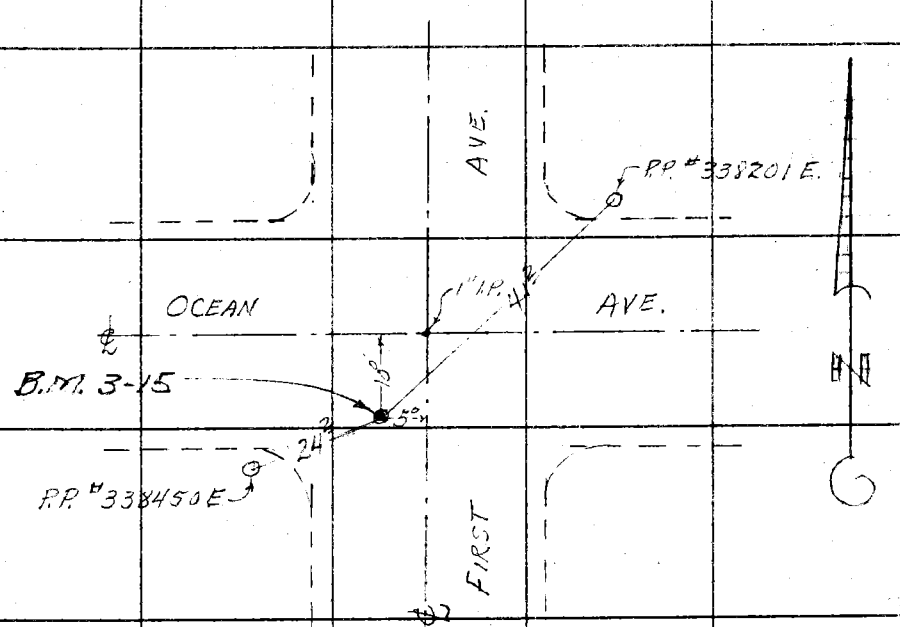
F. B. 1201 PG. 14

B.M. 3-15

FIRST AVE. AND OCEAN AVE., A
O.K. 5-11-59 STANDARD COUNTY SURVEYOR MONUMENT-R.E.329
MARKED: "B.M. 3-15 1951", SET IN CONCRETE
NOT RECOVERED 12" BELOW THE SURFACE, 10' S. OF THE INTER-
8/24/61 acb SECTION OF FIRST AVE. & OCEAN AVE., AND 5'
W. OF THE ℄ OF FIRST AVE. IN A WELL CUT
THROUGH THE PAVEMENT AND PROTECTED BY
A CAST IRON COVER, MARKED: "COUNTY
SURVEYOR MONUMENT".

L.A.G. 1952 Adj. 266.330

SEE FB 2861-12



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

Do not extend notes this side of this line.

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

76F309S 247 10M 1-49

F. B. 1204 PG. 20

B.M. 3-16

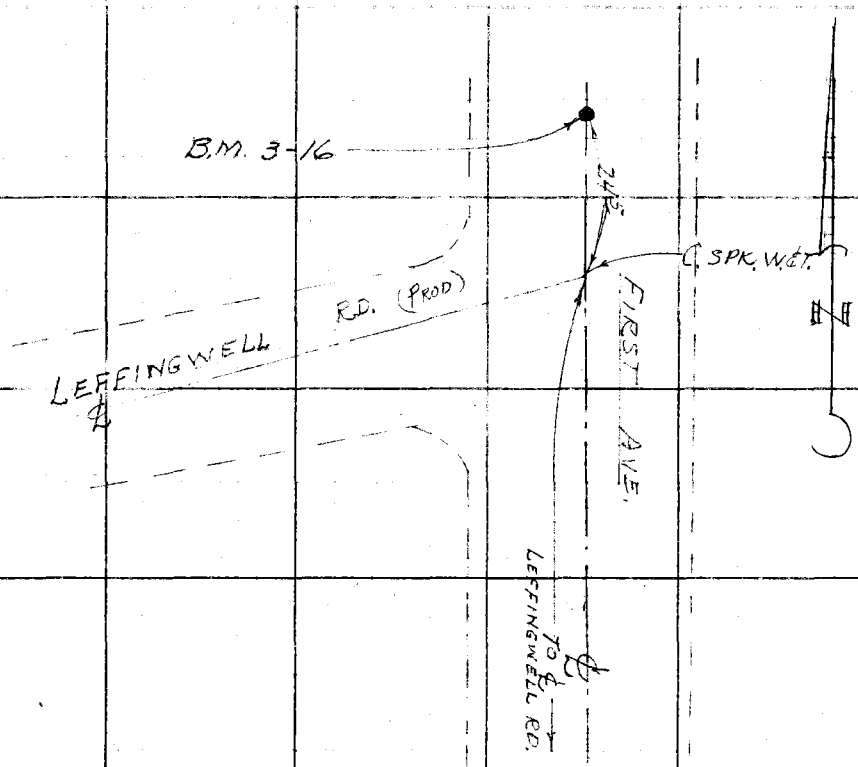
FIRST AVE AND LEFFINGWELL Rd., A STANDARD COUNTY SURVEYOR MONUMENT-RE 329

O.K. 5-11-59 SET IN CONCRETE 20" BELOW THE SURFACE, 24.5' N OF THE INTERSECTION OF FIRST AVE. AND ℄ OF LEFFINGWELL RD PROD FROM W., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT".

L.A.Co. 1952 Adj: 263.295

SEE PAGE 217 & 218 FOR TRANSFER OF ELEV. TO LOCAL POINTS.

3-21-61 Bay



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.

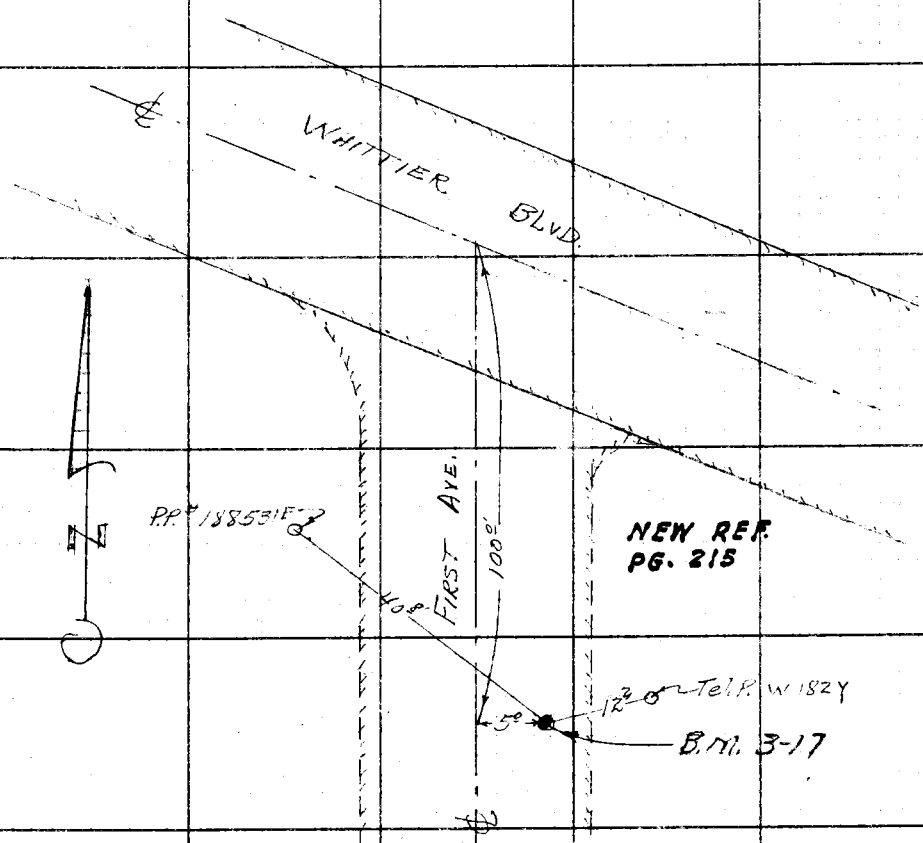
Notes Ck'd by	Survey of
Map No.	W. O. 2422 Tape No. St'd. °F
Office Work	Surveyed by H. F. NAUMANN
Checked	Notes Date 8-15-51
Date	Indexed R. C. JOHNSON

F. B. 1204 PG. 21

B.M. 3-17

WHITTIER BLVD AND FIRST AVE., A STANDARD COUNTY SURVEYOR MONUMENT - RE. 329 MARKED: "B.M. 3-17 1951" SET IN CONCRETE 12" BELOW THE SURFACE, 100' S. OF THE ℄ INTERSECTION OF WHITTIER BLVD & FIRST AVE., AND 5' E. OF THE ℄ OF FIRST AVE. IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT".

L.A.Co. 1952 Adj. 281.534



NEW REF. PG. 215

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

Do not extend notes this side of this line.

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

76F309S 247 10M 5-49

F. B. 1204 PG. 22

B.M 3-18 (U. S. 1215)? (C.S. B.M. 1578)?

Whittier, 3.5 miles S.E of,
0.25 mile north Whittier Blvd.,
South side of east-west road
of T-road South, Top West
end Concrete culvert; chiseled
Square (Not Painted).

O.K. 5-11-59
NOT RECOVERED 10-25-65 HED.

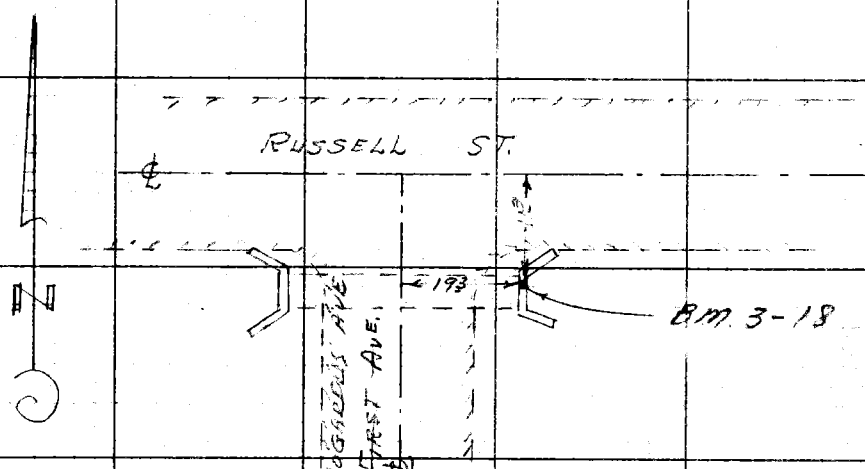
C.S. B.M. 1578?
REFERENCE: LB. 755-202

L.A.Co. Adj. Elev = 308.817

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]
Map No.	W. O. 4923 Tape No. St'd °F
Office Work	Surveyed by H. E. [illegible]
Checked	Notes DREIER Date 8-15-51
Date	Indexed [illegible]

F. B. 1204 PG. 23

B.M 3-19 (US 1216)? (C.S. B.M. 1579)?

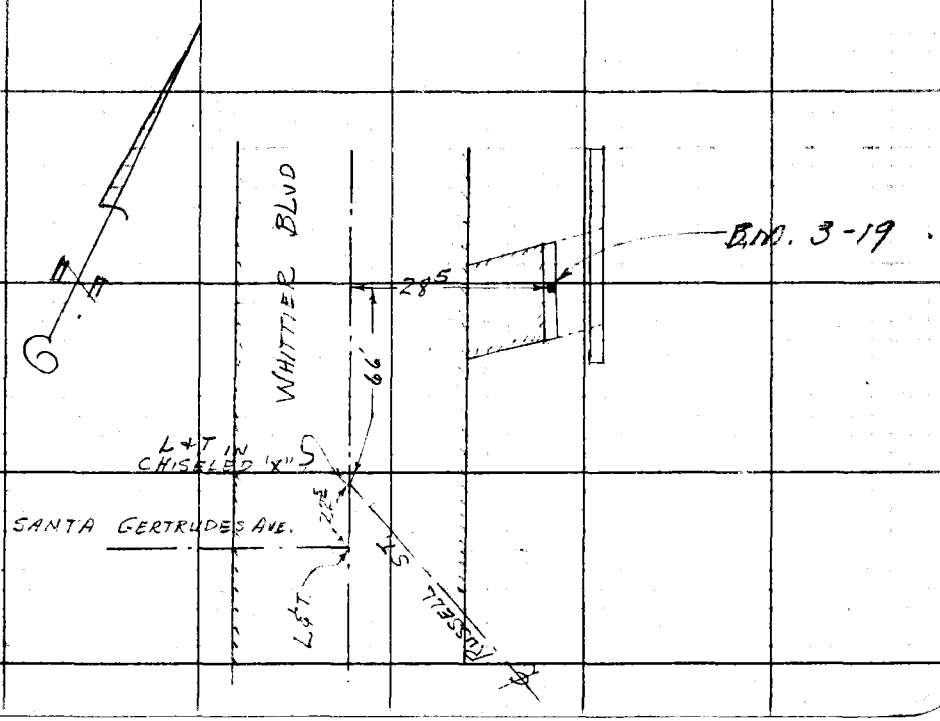
WHITTIER, 3.0 MILES S.E. of, 80 FEET NORTHWEST of INTERSECTION of WHITTIER BLVD. AND RUSSELL ST., TOP NORTH END CONCRETE. CULVERT; CHISELED SQUARE, POLE 30 FEET NORTHWEST PAINTED NORTHWEST U.S. B.M. 274.9".

C.S.B.M. 1579 ?

REFERENCE:- L.B. 755-212.

L.A. Co. 1952 Adj. = 273.819

NOT RECOV., STEETS ARE MUCH WIDER, PROB. DESTROYED 10-25-65 [illegible]



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

Do not extend notes this side of this line.

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

76F3095 247 10M 1-49

F. B. 1204 PG. 24

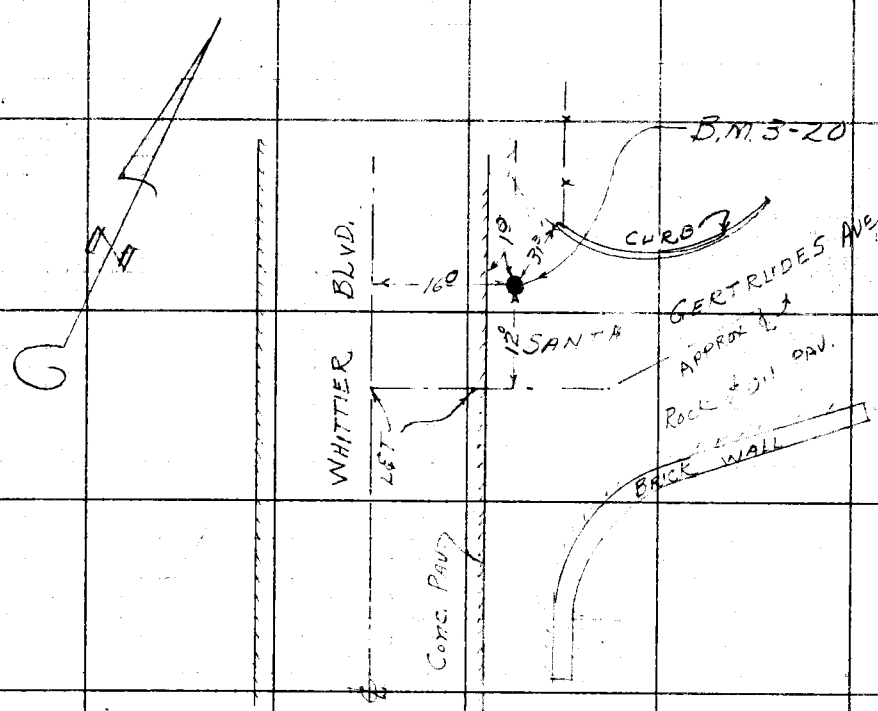
B.M. 3-20

WHITTIER BLVD AND SANTA GERTRUDES AVE.
A STANDARD COUNTY SURVEYOR MONUMENT R.E 329 MARKED: "B.M. 3-20 1951," SET IN CONCRETE 12" BELOW THE SURFACE 16' N. OF THE ℄ INTERSECTION OF WHITTIER BLVD. & SANTA GERTRUDES AVE. & 12' W. OF THE ℄ OF SANTA GERTRUDES AVE., IN A WELL CUT THROUGH THE PAVEMENT AND PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

L.A. Co. 1952 Adj. 264.767

SEE F.B. 2408-24 FOR ALTERNATE B.M.

PROBABLY DESTROYED BY ROAD CONST. PRIOR TO 1958



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.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. 53010
Notes by S SHINODA Time 8:35-10:20AM Rod No. 7&8

Name L A Co PRECISE LEVEL NET
Job No. 4923
From BM 1-5 To B M 5-1
Date 8-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4576 4147 3718 12441	4.147	429 429 858	85.8	#7 66°	4601 4140 3679 12420	4.140	461 461 922	92.2	BM 1-5 (US 1 [illegible])(Pr[illegible]) SEE F B 1202 10 FOR DESCRIPTION
2	4316 3670 3022 11008	3.669	646 648 1294	2152		6320 5677 5032 17029	5.676	643 645 1288	2210	T. G.E DREIER
3	5339 4675 4011 14025	4.675	664 664 1328	348.0		5361 4745 4128 14234	4.745	616 617 1233	3443	
4	5568 4920 4272 14760	4.920	648 648 1296	4776		6675 6020 5367 18063	6.021	655 652 1307	4750	
5	5617 4970 4322 14909	4.970	647 648 1295	6071		6579 5922 5267 17768	5.923	657 655 1312	6062	
		22.381					26.505			

F.B. 1200 PG. 25

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F Navarrete Weather Cloudy Inst. No. 50014
Notes by S Shinoda Time 8:35-10:20 AM Rod No. 763

Name LA Co Precise Level Net
Job No. 4923
From BM 1-5 To BM 3-1
Date 8-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	5600 4950 4300 14850	22.58 4.950	650 650 1300	607.8 7371		5250 4575 3920 13725	2[illegible] 4575	655 655 1310	606.2 7372	
7.	5865 5210 4555 15630	5210	655 655 1310	8681		4821 4176 3530 12527	4[illegible]76	645 646 1291	866.3	
8.	6890 6240 5590 18720	6240	650 650 1300	9981		5361 4711 4053 14133	4[illegible]11	658 658 1316	9979	
9.	6131 5502 1873 16506	5.502	629 629 1258	112.39		4250 3588 2923 10761	3.[illegible]7	662 665 1327	11306	
10.	6830 6172 5514 18516	6.172	658 658 1316	1255.5		4331 3689 3048 11068	3689	642 64[illegible] 1283	1258.9	
		50.455					47.243			

F.B. 1204 PG. 26

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 8:35-10:20AM Rod No. 7 & 8

Name Co Precise Level
Job No. 4923
From BM 1-5 To B 3-1
Date 8-20-54
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11.	6972 6321 5669 18962	50455 6321	651 652 1303	1255.5 1385.8		5123 4485 3847 13455	47.243 4.485	638 638 1276	1258.9 1386.5	
12.	6294 5642 4988 16924	5.641	652 654 1306	1516.4		5246 4598 [illegible] [illegible]	4.598	648 649 1297	1516.2	
13.	6296 5660 5022 16978	5.659	636 638 1274	1643.8		5688 5047 4403 15138	5.046	641 644 1285	1644.1	
14.	5272 4622 3972 13866	4.622	650 650 1300	1773.8		5731 5080 4426 15237	5.079	651 654 1305	1775.2	
15.	5896 5248 4600 15744	5.248	648 648 1296	1903.4		5389 4738 4084 14211	4.737	651 654 1305	1905.7	
		77.946					71.188			

F.B. 1201 PG. 27

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:35-10:2 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-5 To BM 3-1
Date 8-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
16.	5989 5344 4700 16033	77.946 5.344	645 644 1289	1903.4 20523		6259 5616 4970 16845	71.188 5.615	643 646 1289	1905.7 20346	
17.	5748 5088 4427 15263	5.088	660 661 1321	21644		4326 3678 3028 11032	3.677	648 650 1298	21644	SUMMATION OF RUN BM1-5 TO BM 3-1
18.	7373 6722 6071 20166	6.722	651 651 1302	22946		4101 3448 2796 10345	3.448	653 652 1305	22949	TOTAL BACKSIGHTS +101.189 " FORESIGHTS −89.092 DIFF. IN ELEVATION +12.097
19.	6520 6089 5658 18267	6.089	431 431 862	23808	76°	5584 5163 4744 15489 15491	5.163 5164	421 419 840	23789	B.M. 3-1 (U.S. 3999)(M 778) SEE F.B. 1204-6 FOR DESCRIPTION
		101.189					89.091 89.092			

F.B. 1204 PG. 28

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 L. F. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 10:20-11:45 AM Rod No. 7 & 8

Name L.A. Co. Precise Lev. Ne
Job No. 4923
From BM 3-1 To B 7-1-5
Date 8-20-51
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
1.	5558 5138 4717 15413	5.138	420 421 841	84.1	#7 76°	6500 6069 5638 18207	6069	431 431 862	86.2	BM 3-1 (U.S. 3979) (M 778) SEE F.B. 1204-6 FOR DESCRIPTION
2	4099 3444 2792 10335	3.445	655 652 1307	214.8		7370 6721 6071 20162	6.721	649 650 1299	216.1	⊼ G.E. DREYER
3	4302 3652 3002 10956	3.652	650 650 1300	344.8		5724 5065 4406 15195	5.065	659 659 1318	347.9	
4	6252 5611 4967 16830	5.610	641 644 1285	473.3		5979 5335 4690 16004	5.335	645 645 1289	476.8	
5	5436 4781 4128 14345	4.782	655 653 1308	604.1		5948 5300 4651 15899	5.300	648 649 1297	606.5	

22.627 28.490

F.B. 1204 PG. 29

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 10:20-11:45 AM Rod No. 7 & 8

Name L A Co PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 1-5
Date 8-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5732 5071 4409 15212	22.627 5.071	661 662 1323	604.1 7364		5252 4609 3[illegible] 13828	2[illegible] 4[illegible]	643 642 1285	606.5 7354	
7	5642 5000 4358 15000	5.000	642 642 1284	8648		6250 5616 4981 16847	5[illegible]	634 635 1269	8620	
8	5217 4568 3919 13704	4568	649 649 1298	[illegible]		6263 5611 4959 16833	5.611	652 652 1304	9924	
9	5039 4391 3746 13176	4392	648 645 1293	11237		6869 6224 5580 18673	6.224	645 644 1289	11213	
10	4307 3651 2995 10953	3.651	656 656 1312	12351		6773 6129 5484 18386	6[illegible]	644 645 1289	12502	
		45.309					50.679			

F.B. 1204 PG. 30

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 10:20-11:45AM Rod No. 7 E 3

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To B 1-5
Date 8-20-51
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
11.	4260	45.309	651	1255.1		6175	56.679	640	1250.2	
	3609		649			5535		641		
	2960		1300			4894		1281		
	10829	3.610		1385.1		16604	5.535		1378.3	
12	5409		643			6960		665		
	4766		644			6295		665		
	4122		1287			5630		1330		
	14297	4.766		1513.8		18885	6.295		1511.3	
13.	5409		646			6457		655		
	4763		644			5802		654		
	4119		1290			5148		1309		
	14291	4.764		1642.8		17407	5.802		1642.3	
14	5809		659			6170		647		
	5150		658			5523		648		
	4412		1317			4875		1295		
	15451	5.150		1774.5		16568	5.523		1771.9	
15	6574		653			5622		651		
	5921		653			4971		649		
	5268		1306			4322		1300		
	17763	5.921		1905.1		14915	4.972		1901.7	
		69.520					84.806			

F.B. 1201 PG. 31

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 10:20-11:45 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 1-5
Date 8-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
16	6651 6008 5366 18025	69.52 6.008	643 642 1285	1905.1 2033.6		5568 4911 4256 14735	84.806 4.[illegible]2	657 655 1312	1901.2 2032.8	
17	5392 4766 4142 14300	4.767	626 624 1250	2158.6		5357 4700 4043 14100	4.700	657 657 1314	2164.2	SUMMATION OF RUN BM 3-1 TO BM 1-5
18	6287 5647 5006 16940	5.647	640 641 1281	2286.7		4296 3647 2997 10940	3.647	649 650 1299	2294.2	TOTAL BACKSIGHTS +90.096 " FORESIGHTS -102.222 DIFF IN ELEVATION -12.126
19	4617 4153 3691 12461	4.154	464 462 926	2379.3	100	4582 4158 3732 12472	4.[illegible]	424 426 850	2379.2	BM 1-5 (U.S. 2237) (P-51) SEE F.B. 1202-10 FOR DESCRIPTION
		90.096					102.222			

F.B. 1204 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:05 - 2:40 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL N T
Job No. 4923
From BM 3-1 To [illegible] 1-5
Date 8-20-51
Indexed [illegible] Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5529 5110 4690 10329	5.110	[illegible] 420 [illegible]	83.9	#7 86°	6469 6035 5601 18105	6.035	434 434 868	86.8	BM 3-1 (US 3999 (M 772) SEE F.B. 1204-[illegible] FOR [illegible]
2	4067 3409 2753 10229	3.410	658 656 1314	2153		7327 6682 6040 20049	6.683	645 642 1287	2155	G.E. DREIER
3	4323 3673 3023 11019	3.673	650 650 1300	3453		5738 5080 4421 15239	5.080	658 659 1317	3472	
4	6206 5563 [illegible] [illegible]689	5.563	643 643 1286	4739		5931 5288 464[illegible] 15861	5.287	643 646 1289	4761	
5	5444 4792 4140 14376	4.792	652 652 1304	6043		5950 5304 4659 15913	5.304	646 645 1291	6052	
		22.548					28.389			

F.B. 1204 PG. 33

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:05-2:40 PM Rod No. 7E8

Name L. A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 1-5
Date 8-20-51
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	5669 5015 4361 15045	22.548 5015	654 654 1308	604.3 7351		5203 4554 3907 13664	28.389 4555	649 647 1296	605.2 7348	
7.	5647 5003 4362 15012	5.004	644 641 1285	8636		6253 5619 4983 16855	[illegible]	634 636 1270	861.8	
8.	5296 4647 3997 13940	4.647	649 650 1299	9935		6340 5690 5040 17070	5.690	650 650 1300	991.8	
9.	5031 4386 3739 13156	4385	645 647 1292	11227		6863 6220 5578 18661	6220	643 642 1285	11203	
10.	4420 3766 3110 11296	3.765	654 656 1310	12537		6887 6240 5593 18720	6240	647 647 1294	12497	
		45364					56712			

F.B. 1204 PG. 34

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 1:05-2:40 PM Rod No. 7 S B

Name L A C PRECISE L AL NE
Job No. 4923
From BM 3-1 To E 5
Date 8-20-5
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
16	6657 6010 5362 18031	68.471 6.010	649 648 1297	1904.3 2034.0		5566 4913 4262 14741	83.712 4.914	653 651 1304	1901.5 2031.9	
17	5398 4769 4140 14307	4.769	629 629 1258	2159.8		5342 4691 4041 14074	4.697	651 650 1301	2162.0	SUMMATION OF [illegible] BM 3-1 TO [illegible]
18.	6378 5756 5111 17265	5.755	642 645 1287	2288.5		4397 3748 3101 11246	3.749	649 647 1296	2291.6	TOTAL BACKSIGHTS - 89.159 " FORESIGHTS - 101.223 DIFF. IN ELEVATION - 12.064
19.	4623 4155 3685 12463	4.154	468 470 938	2382.3	86°	4592 4158 3721 12471	4.157	434 437 871	2378.7	BM 1-5 (U.S. [illegible])(P-51) SEE F.B. 1202-10 FOR DESCRIPTION
		89.159					101.223			

F.B. 1204 PG. 35

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. 60010
Notes by S. SHINODA Time 1:05 PM TO 2:40 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 1-5
Date 8-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	4242 3578 2912 10732	45.364 3.577	664 666 1330	1253.7 1382.7		6122 5495 4867 16484	56.712 5.445	627 628 1255	1249.7 1375.2	
12	5400 4763 4123 14288	4.763	639 640 1279	1514.6		6960 6289 5621 18870	6[illegible]9[illegible]	671 668 1339	1509.1	
13	4771 4134 3496 12401	4134	637 638 1275	1642.1		583[illegible] 5168 4503 15503	5168	664 665 1329	1642.0	
14	5351 4696 4040 14087	4696	655 656 1311	1773.2		5118 5068 4419 15205	5068	650 649 1299	1771.9	
15	6592 5938 5281 17811	5.937	654 657 1311	1904.3		5627 4980 4331 14938	4.979	647 649 1296	1901.5	
		68.471					83.712			

F.B. 1204 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. NAHMANN Weather CLEAR & BREEZY Inst. No. 50010
Notes by G. E. DREIER Time 2:40 PM TO 3:45 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-5 To B. 73-1
Date 8-20-54 O. Johnson
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.591		438		#7	4620		470		B.M 1-5 U.S. 2237 P.51
	4.153		434			4.150		469		SEE F.B. 1202 [illegible]
	3719		87.2 ✓			3.681		93.9 ✓		FOR DESCRIPTION
1	12.463 ✓	4.154 ✓		87.2 ✓	86	12.451 ✓	4.150 ✓		93.9 ✓	
	4832		653			6.828		642		
	4.179		657			6.186		645		
	3522		131.0 ✓			5541		128.7 ✓		
2	12.533 ✓	4.178 ✓		218.2 ✓		18.555 ✓	6.185 ✓		222.6 ✓	
	6480		661			6524		626		
	5.819		659			5898		628		
	5160		132.0 ✓			5270		125.4 ✓		
3	17.459 ✓	5820 ✓		350.2 ✓		17692 ✓	5.897 ✓		348.0 ✓	
	5578		658			6662		643		
	4.920		656			6.019		647		
	4264		131.4 ✓			5.372		129.0 ✓		
4	14.762 ✓	4.921 ✓		481.6 ✓		18.053 ✓	6.018 ✓		477.0 ✓	
	5.658		649			6619		655		
	5.009		649			5.964		653		
	4360		129.8 ✓			5.311		130.8 ✓		
5	15.027 ✓	5.009 ✓		611.4 ✓		17.894 ✓	5.965 ✓		607.8 ✓	
		~~21.659~~ 22.082 ✓					28.215 ✓			

F.B. 1204 PG. 27

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR & BREEZY Inst. No. 5001.0
Notes by G. E. DREIER Time 2:40 PM TO 3:45 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-5 To BM 3-1
Date 8-20-51
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6220	21.659	638	611.4		5880	22.215	668	607.8	
	5582	21.082	640			5212		668		
	4942		127.8			4544		133.6		
6	16.744	5.581		739.2		15.636	5.212		741.4	
	6495		648			5461		651		
	5847		649			4810		649		
	5198		129.7			4161		130.0		
7	17540	5.847		868.9		14432	4.811		871.4	
	6947		659			5406		646		
	6288		663			4760		646		
	5625		132.2			4114		129.2		
8	18860	6.287		1001.1		14280	4.760		1006.6	
	6229		630			4345		664		
	5599		631			3681		661		
	4968		126.1			3020		132.5		
9	16796	5.599		1137.2	86°	11046	3.682		1133.1	STOPPED 3:45 PM 8-20-51
	6851		644			4380		656		
	6207		647			3724		655		
	5560		129.1			3069		131.1		
10	18618	6.206		1256.3	65°	11173	3.724		1264.2	STARTED 8:15 AM 8-21-51
		~~51.179~~					50.404			
		53.602								

F.B. 1204 PG. 38

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 8:00AM TO 9:30AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NE
Job No. 4923
From BM 1-5 To B[illegible]
Date 8-21-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7012	53.602	642	1256.3		5.184	50.404	646	1264.2	
	6.370		642			4.538		648		
	5728		128.4			3890		129.4		
11	19.110	6.370		1384.7		13.612	4.537		1393.6	
	6442		672			5350		630		
	5770		671			4.720		629		
	5099		134.3			4.091		125.9		
12	17.311	5.770		1519.0		14.161	4.720		1519.5	
	6234		635			5.628		645		
	5.599		637			4.983		643		
	4962		127.2			4.340		128.8		
13	16795	5.598		1646.2		14.951	4.984		1648.3	
	5422		653			5872		645		
	4.769		655			5.227		648		
	4.114		130.8			4.579		129.3		
14	14305	4.768		1777.0		15.678	5.226		1777.6	
	6022		647			5513		653		
	5375		649			4860		653		
	4726		129.6			4207		130.6		
15	16.123	5.374		1906.6		14.580	4.860		1908.2	
		81.482					74.731			

F.B. 1204 PG. 39

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 8:00AM TO 9:30AM Rod No. 758

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 1-5 To B.M. 3-1
Date 8-31-51
Indexed R. G. [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
	5993	81.482	644	1906.6		6263	74.731	643	1928.2	
	5349		647			5620		643		SUMMATION OF RUN
	4702		129.1			4977		128.6		B.M. 1-5 TO B.M. 3-1
16	16.044	5.348		2055.7		16.860	5.620		2036.8	
	5897		662			4478		649		TOTAL BACKSIGHTS + 104.923
	5235		659			3829		650		" FORESIGHTS - 92.834
	4576		132.1			3179		129.9		DIFF. IN ELEVATION + 12.089
17	15.708	5.236		2167.8		11.486	3.829		2166.7	
	7415		648			4142		653		
	6767		647			3490		649		
	6120		129.5			2841		130.1		
18	20302	6.767		2297.3		10.473	3.491		2296.8	
	6521		431			5581		417		
	6090		432			5164		420		B.M. 3-1 (U.S. 2999)
	5658		863			4744		83.7		SEE F.B. 1204-6
19	18.269	6.090		2383.6	70°	15.489	5.163		2380.5	FOR DESCRIPTION
20										
		104.923					92.834			

F.B. 1204 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 10:00-11:30AM Rod No. 7 F B

Name L A Co Pr[illegible]
Job No. 4923
From BM 3-1 To 5 1-5
Date 8-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5546 5127 4707 15380	5.127	419 420 839	83.9	#7 72°	6486 6053 5622 18161	6.054	433 431 864	864	BM 3-1 (US 39[illegible]) (M 77[illegible]) See [illegible] For [illegible]
2	4153 3502 2852 10507	3.502	651 650 1301	2140		7429 6779 6129 20337	6.779	650 650 1300	2164	T. H F Naum[illegible]
3	4565 3917 3267 11749	3.916	648 650 1298	3438		5987 5327 4667 15981	5.327	660 660 1320	3484	
4	6295 5640 4983 16918	5.639	655 657 1312	4752		5997 5364 4732 16093	5.364	633 632 1265	4749	
5	5557 4906 4252 14715	4.905	651 654 1305	6055		6068 5420 4771 16259	5.420	648 649 1297	6046	
		23.089					28.944			

F.B. 1204 PG. 41

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50910
Notes by S. SHINODA Time 10:00-11:30 AM Rod No. 1 & 3

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 1-5
Date 8-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	5903 5250 4597 15750	23.081 5.250	653 653 1306	605.5 7361		5442 4794 4147 14383	28.944 4.794	648 647 1295	604.6 7341	
7	5707 5066 4428 15201	5.067	641 638 1279	8640		6326 5686 5047 17059	5.686	640 639 1279	8620	
8	5321 4672 4023 14016	4.672	649 649 1298	993.8		6372 5718 5066 17156	5.718	654 652 1306	7926	
9.	5212 4564 3919 13695	4.565	648 645 1293	1123.1		7044 6402 5757 19203	6.401	642 645 1287	11213	
10	4483 3829 3174 11486	3.829	654 655 1309	12540		6955 6308 5662 18925	6.308	647 646 1293	12506	
		46.472					57.552			

F.B. 1204 PG. 42

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:30AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To E 7-1-5
Date 8-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	4401	46.472	662	1254.0		6293	57.852	635	1250.6	
	3739		663			5658		636		
	3076		1325			5022		1271		
	11216	2.739		1386.5		16973	5.658		1377.7	
12	5386		653			6883		652		
	4703		655			6231		653		
	4048		1308			5578		1305		
	14137	4.702		1517.3		18692	6.231		1508.2	
13	5447		636			6513		666		
	4811		634			5847		664		
	4177		1270			5183		1330		
	14435	4.812		1644.3		17543	5.848		1641.2	
14	5768		648			6152		659		
	5120		646			5493		658		
	4474		1294			4835		1317		
	15362	5.121		1773.7		16480	5.493		1772.9	
15	6578		652			5623		650		
	5926		652			4973		649		
	5274		1304			4324		1299		
	17778	5.926		1904.1		14920	4.973		1902.8	
		70772					86.055			

F.B. 1004 PG. 43

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:30 AM Rod No. 728

Name L A G PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 1-5
Date 8-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
16	6644 5997 5353 17996	70.772 5999	645 646 1291	1904.1 2033.2		5558 4904 4247 14709	86.055 4903	654 657 1311	1902.8 20339	
17	6478 5847 5213 17538	5846	631 634 1265	21597		6422 5770 5119 17311	5770	652 651 1303	21642	SUMMATION OF RUN BM 3-1 TO BM 1-5
18	6824 6173 5523 18520	6173	651 650 1301	22898		4814 4164 3518 12496	4165	650 646 1296	22938	TOTAL BACKSIGHTS +92.946 " FORESIGHTS −105.053 DIFF IN ELEVATION −12.107
19	4620 4156 3693 12469	4156	464 463 927	23825	80°	4582 4161 3736 12479	4160	421 425 846	23784	B.M 1-5 (US 2207) (P-51) SEE F.B 1202-10 FOR DESCRIPTION
		92.946					105.053			

F.B. 1204 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 NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 12:45-1:40PM Rod No. 7 & 8

Name L A Co PRECISE [illegible]
Job No. 4923
From 3-73-1 To [illegible]
Date 8-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
5	4092	18.781	660	458.0		4995	24.297	653	455.5	
	3432		660			4342		652		
	2772		1320			3690		1305		
	10296	3.432		5900		13027	4.342		5860	
6	6047		643			5143		656		
	5394		652			4487		658		
	4742		~~1295~~ 130.5			3829		1314		
	16183	5.394		7~~195~~ 20		13459	4.486		7174	
7	6389		665			5321		651		
	5724		665			4670		651		
	5059		1330			4019		1302		
	17172	5.724		85~~25~~ 2		14010	4.670		847.6	
8	5761		670			6139		659		
	509		670			5480		656		
	4421		1340			4824		1315		
	15273	5.091		98~~65~~ 7		16443	5.481		9791	
9	5421		647			6290		660		
	4774		646			5630		660		
	4128		1293			4970		1320		
	14323	4.774		11~~58~~ 6		16890	5.630		1111.1	
		43196					48906			

F.B. [illegible] 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 Clear Inst. No. 50010
Notes by J. Shinoda Time 12:45-1:40 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-1 To BM 3-3
Date 8-21-51
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	5599 5271 4944 15814	5271	328 327 655	65.5	#7	5121 5403 5085 16209	5403	318 318 636	63.6	BM 3-1 (US 3999) (M 778) See F.B. 1204-6 For description
										BM 3-2 See F.B. 1204-6 For description
2	5978 5330 4682 15990	5330	648 648 1296	1951		5732 5071 4412 15215	5072	661 659 1320	1956	π G.E. Dreier
3	6062 5404 4743 16209	5403	658 661 1319	3270		5807 5161 4514 15482	5161	646 647 1293	3249	
4	3432 2778 2122 8332	2777	654 656 1310	4580		9314 8662 8008 25984	8661	652 654 1306	4555	
		18.781					24.297			

F.B. 1204 PG. 46

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

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

F.B. [illegible] PG. 47

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 12:45 - 1:40 PM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 3-3
Date 8-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
10	5196 4541 3885 13622	43.196 4.541	655 656 1311	1.1[illegible].8 6 7 12[illegible]9		5887 5228 4568 15683	4[illegible] 5[illegible]28	659 660 1319	1111.1 12430	
11	5448 4792 4134 14374	4.791	656 658 1314	9 137[illegible]3		6068 5418 4769 16255	5418	650 649 1299	13729	SUMMATION OF RUN BM 3-1 TO BM 3-3
12	5501 4842 4183 14526	4.842	657 659 1318	1 151[illegible]1		5581 4930 4280 14791	4[illegible]30	651 650 1301	15030	TOTAL BACKSIGHTS + 6[illegible].090 " FORESIGHTS - 70.913 DIFF IN ELEVATION - 8.823
13	4957 4720 4483 14160	4.72[illegible]	237 237 474	8 155[illegible]5	16[illegible]	6679 6431 6184 19294	[illegible]	248 247 495	15525	B.M 3-3 (U.S. 4000)(N 778) SEE F.B. 1004-7 FOR DESCRIPTION
		62090					70.913			

F.B. 1004 PG. 48

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 8:15-9:10 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-3 To B 7 3-1
Date 8-22-51
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	6702 6461 6220 [illegible]383	6461	241 241 482	48.2	#7 64°	4992 4750 4507 14249	4750	242 243 485	48.5	BM 3-3 (US [illegible]) N 778 See F.B. 1204-7 For Description
2	[illegible] [illegible] [illegible] 14854	[illegible]	652 651 1303	178.5		[illegible] [illegible] [illegible] 14595	4.865	655 655 1310	179.5	T. G.E. Dreier
3	5940 5287 4633 15860	5287	653 654 1307	307.2		5319 4662 4007 13988	4663	657 655 1312	310.7	
4	5850 5191 4531 15572	5191	659 660 1319	441.1		5160 4505 3850 13515	4505	655 655 1310	441.7	
5	6219 5565 4911 16695	5565	654 654 1308	571.9		5363 4709 4053 14125	4708	654 656 1310	572.7	
		27.455					23.491			

F.B. 1204 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 8:15-9:10 Rod No. [illegible]

Name L. A. Co. Precise Level Net
Job No. 4923
From BM 3-3 To BM 3-1
Date 8-22-51
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.	6129 5470 4811 16410	27.455 5470	659 659 1318	571.9 703.7		5744 5074 4403 15221	[illegible] 5074	670 671 1341	572.7 7068	
7.	5334 4671 4007 14012	4671	[illegible] [illegible] [illegible]	8364		6380 5729 5078 17187	[illegible]	651 651 1302	8370	
8.	5129 4471 3813 13413	[illegible]	658 658 1316	9680		6029 5378 4727 16134	5378	651 651 1302	9672	
9.	4800 4145 3489 12434	4145	655 656 1311	[illegible]		3892 3236 2579 9707	[illegible]	656 657 1313	10985	
10.	8857 8202 7548 24607	8202	655 [illegible] [illegible]	12300		2170 2316 1662 6948	[illegible]	654 654 1308	12293	
		54414					45224			

F.B. 1204 PG. 50

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 8:15-9:10AM Rod No. 7 & 8

Name L.A. Co. Prec. Level [illegible]
Job No. [illegible]
From BM 3-3 To [illegible]
Date 8-22-51
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	5903 5248 4591 15742	54.414 5.247	655 657 1312 [illegible]	2300 13612		6142 5492 4842 16476	45.3[illegible] 5.49[illegible]	650 650 1300 [illegible]	12293 13593	SUMMATION OF [illegible] BM 3-3 [illegible]
12	5757 5097 [illegible] 15291	5.097	660 660 1320 [illegible]	[illegible]832		6007 5357 4707 16071	5.357	[illegible] [illegible] [illegible] [illegible]	14893	TOTAL BACKSIGHTS [illegible] " FORESIGHTS [illegible] DIFF. IN ELEVATION [illegible]
										BM 3-2 SEE F.B. 1204-[illegible] FOR DESCRIPTION
13	5827 5511 5193 [illegible]	5511	318 318 636 [illegible]	15568	662	5702 5380 5058 16143	5.380	322 322 644 [illegible]	15537	B.M 3-1 [illegible] SEE F.B. 1204-6 FOR DESCRIPTION

70,269 ✓ 61.453 ✓

F.B. ____ PG. ____

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 204 PG. 52										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 1:45-2:00PM Rod No. 7 E B

Name L A Co [illegible]
Job No. 4923
From BM 3-3 To B 3-5
Date 8-21-5[illegible]
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5192 4427 3661 13280	4.427	765 766 1531	153.1	#7 86°	7826 7042 6255 21123	7.041	784 787 1571	157.1	B.M 3-3 (US 4000) (1778) SEE F.B 1204-7 FOR DESCRIPTION
										B.M 3-4 (US 4001) ([illegible] L-3) SEE F.B 1204-[illegible] FOR DESCRIPTION
2	3498 2849 2201 8548	2.849	649 648 1297	2828		10510 9868 9223 29601	9.867	642 645 1287	2858	⊼ G.E DRAIN
3	2487 1826 1166 5479	1.826	661 660 1321	4149		7578 6931 6285 20794	6.931	647 646 1293	4151	
4	6394 5743 5092 17229	5.743	651 651 1302	5451	86°	6349 5703 5059 17111	5.704	646 644 1290	5441	
		14.845					29.543			

F.B. [illegible] PG. 52

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:20 - 9:40 Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From B.M. 3-3 To B.M. 3-5
Date 8-22-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
5	5862 5218 4571 15651	14.845 ✓ 5217 ✓	644 647 1291 ✓	6742	68°	5380 4723 4068 14171	[illegible] ✓ 4124 ✓	657 655 1312 ✓	5753 ✓	BEGAN 7:20 AM 8-22-51
6	6457 5803 5150 17410	5803 ✓	654 653 1307 ✓	8049 ✓		5852 5207 4560 15619	[illegible] ✓	645 647 1292 ✓	8045 ✓	SUMMATION OF RUN B.M. 3-3 TO B.M. 3-5
7	7342 6862 6382 20586	6862 ✓	480 480 960 ✓	9009	68°	4494 4028 3560 12082	[illegible] ✓	466 468 934 ✓	8979 ✓	TOTAL BACKSIGHTS +38.284 ✓ " FORESIGHTS −49.452 ✓ DIFF IN ELEVATION −11.168 ✓
8	6022 5558 5092 16672	5557 ✓	464 464 930 ✓	9959 ✓		6420 5952 5484 17856	[illegible] ✓	468 468 936 ✓	9915 ✓	B.M. 3-5 (U.S. 1002) (5778) SEE F.B. 1204-7 FOR DESCRIPTION
		38284 ✓					49.452 ✓			

F.B. 1204 PG. 54

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLOUDY Inst. No. 5001
Notes by S SHINODA Time 9:45-10:15 AM Rod No. 7 8 8

Name L A C [illegible]
Job No. 49[illegible]
From BM 3-5 To [illegible]
Date 8-2-51 [illegible]
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1.	6477 6007 5537 18021	6.007	470 470 940	N.0	#7 688	6073 5611 5149 16833	5611	462 462 924	92.4	BM 3-5 (U.S. 4902) [illegible] SEE F.B. 1024 [illegible] FOR [illegible]
2.	4503 4038 3571 12112	4.037	465 [illegible] 932	1872		7356 6872 6390 20618	6.872	484 482 966	1890	A.G.E. DRILLER
3.	5738 5278 4818 15834	5.278	649 648 1297	3169		6522 5874 5222 17622	5.87[illegible]	654 652 1306	3196	
4.	6188 5509 4830 16527	5.509	660 660 1320	4828		6640 6000 5360 18000	6.000	640 640 1280	4496	
5	6093 5445 4797 16335	5.445	645 648 1293	5772		6837 6186 5535 18558	6.186	651 651 1302	5498	
	80.448					80.048				

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 [illegible] Time 9:45-10:15 Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-5 To BM 3-3
Date 8-22-51
Indexed [illegible] Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	7547 6895 6243 20685	26.479 [illegible]	652 652 1304 [illegible]	578.2 708.6		2455 1790 1125 5370	3[illegible]48 [illegible]	665 665 1330 [illegible]	577.7 710.7	Summation of Run BM 3-5 to BM 3-3
7	10578 9929 9280 39787	9.929	649 649 1298 [illegible]	8384		3556 2912 2270 8738	[illegible]	644 642 1286 [illegible]	8393	Total Backsights + 50.305 Foresights − 39.138 Diff in Elevation + 11.167
										BM 3-4 (US 4001) (Artesia L-3) See F.B. 1204-8 for description
8	7792 7002 6211 21005	7.002	790 791 1581 [illegible]	9965	68°	5148 4387 3625 13160	4.387	761 762 1523 [illegible]	9916	BM 3-3, US 4[illegible] (4772) See F.B. 1204-7 for description
		50.305					39.138			

F.B. 1204 PG. 56

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L A Co Precise Level Net
Job No. 4923
From BM 3-5 To B 7 3 6
Date 8-22-51
Indexed A. F. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5450 4851 4252 14553	4851	599 599 1198	1198	#7 70°	7677 7027 6376 21080	7027	650 651 1301	1301	BM 3-5 (US 4002) 5778) SEE F.B 1204- FOR DESCRIPTION
2	4453 3783 3113 11349	3783	670 670 1340	2538		6194 5567 4939 16700	5567	627 628 1255	2556	A G E Dreier
3	6436 5789 5141 17367	5789	647 647 1294	3832		5300 4640 3981 13921	4640	660 659 1319	3875	
4	7848 7198 6548 21594	7198	650 650 1300	5132		6257 5622 4985 16864	5621	635 637 1272	5147	
5	6718 6065 5421 18194	6065	653 654 1307	6439		4499 3854 3209 11562	3854	645 645 1290	6437	
		27,686					26,707			

F.B. [illegible] PG. 57

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Nagelmann Weather Cloudy Inst. No. 500010
Notes by S. Shinoda Time 10:30-11:30 AM Rod No. 7 & 8

Name LA Co Precise Level Net
Job No. 4723
From BM 3-5 To BM 3-6
Date 8-22-51
Indexed B. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	6462	27.686	650	648.7		4853	26.709	651	648.7	
	5812		650			4202		649		
	5162		1300			3553		1300		
	17436	5.812		7739		12607	4.203		7737	
7	6429		650			4970		645		
	5779		651			4325		645		
	5128		1301			3680		1290		
	17336	5.779		9040		12975	4.325		9027	
8	6460		651			4650		650		
	5809		652			4000		650		
	5157		1303			3350		1300		
	17426	5.809		10343		12000	4.000		10327	
F.B. 232 PG. 58 9	7078		649			2563		652		
	6429		648			1911		650		
	5781		1297			1261		1302		
	19288	6.429		11640		5735	1.912		11629	
10	8771		650			2608		649		
	8121		651			1959		649		
	7470		1301			1310		1298		
	24362	8.121		12941		5877	1.959		11927	
		59.650					43.108			

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. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 10:30 - 11:30 AM Rod No. 7 & 8

Name L.A. Co. Pres[illegible]
Job No. 4925
From BM 3-5 To BM 3-6
Date 8-22-51
Indexed A. [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	5898 5209 4570 15701	59.636 5.234	665 663 1328	12941 14269		4885 4238 3587 12710	43.108 4.237	647 651 1298	1292.7 14225	
12	5230 4730 4230 14190	4730	500 500 1000	15269		5801 5300 4805 15908	5.303	499 497 996	15221	
13	5883 5394 4906 16183	5.394	489 488 977	16246	78°	4305 3817 3327 11449	3.816	488 490 978	16199	BM 3-6 (US 4008) R.778 SEE F.B. 1204 [illegible] FOR DESCRIPTION
										SUMMATION OF [illegible] BM 3-5 TO BM 3-6
										TOTAL BACKSIGHTS + [illegible] " FORESIGHTS - 56.464 DIFF IN ELEVATION + 18.530
		24.994					56.464			

F.B. 1204 PG. 57

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1004 PG. 60										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-1:40 PM Rod No. 7 & 8

Name L A Co Pri[illegible]
Job No. 4923
From BM 3-6 To B[illegible]
Date 8-22-[illegible]
Indexed A. [illegible] 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.	4454 3969 3483 11906	3.969	485 486 971	97.1	#7 78°	6041 5546 5049 16636	5.545	495 497 992	99.2	BM 3-6 (U.S. 4002 S778) SEE F.B. [illegible] FOR DESCRIPTION
2.	5919 5424 4930 10273	5.424	495 494 989	196.0		5349 4849 4349 14547	4.849	500 500 1000	199.2	* G.E. DRIVER
3	5151 4496 3840 13487	4.496	655 656 1311	327.1		6151 5492 4832 16475	5.492	659 660 1319	331.1	
4	2255 1608 0960 4825	1.608	647 646 1293	456.4		8420 7769 7118 23307	7.769	651 651 1302	401.3	
5.	2583 1923 1264 5770	1.923	660 659 1319	588.3		7079 6439 5800 19318	6.439	640 639 1279	599.2	
		17.420					30.094			

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 11:30-1:40 PM Rod No. 7 & 8

Name L A Co PRECISE LEVEL NET
Job No. 4923
From BM 3-6 To BM 3-5
Date 8-22-51
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.	4709 4063 3416 12188	17.420 4.063	646 647 1293	588.3 717.6	77°	6521 5870 5[illegible]2 1761[illegible]	5.[illegible]94 5.[illegible]71	651 64[illegible] 1305	589.2 719.2	1 HOUR FOR LUNCH
7.	4919 4273 3630 12822	4.274	646 643 1289	846.5	84°	6384 5735 5083 17202	5.734	649 652 1301	849.3	
8.	4729 4079 3428 12236	4.079	650 651 1301	976.6		6329 5680 5031 17040	5.680	649 649 1298	979.1	
9.	4547 3899 3250 11696	3.899	648 649 1297	1106.3		6760 6109 5458 18327	6.109	651 651 1302	1109.3	
10	6191 5537 4885 16615	5.538	652 654 1306	1236.9		7751 7118 6482 21351	7.117	633 636 1269	1236.2	
		39.273					60.605			

F.B. 1204 PG. 62

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50910
Notes by S. SHINODA Time 11:30-1:40 PM Rod No. 7 E 8

Name L.A. Co. [illegible]
Job No. 9925
From BM 3-6 To [illegible] 3-5
Date 8-22-51
Indexed A. C. Thompson

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	4662	3.923	660	12369		5890	7.605	649	12352	
	4008		659			5159		649		
	3347		1319	9.0		4510		1297		
	12023	4.008		13688		15499	5.159		13659	
12	6322		645			4544		653		
	5677		646			3891		651		
	5031		1291	8.1		3240		1304		
	17030	5.677		14979		11675	3.892		14963	
13	7860		628			5686		630		BM 3-5 (U.S. 4[illegible]) (5-[illegible]-78)
	7232		627			5056		630		SEE F.B. [illegible]
	6605		1255	6		4426		1260		FOR [illegible]
	21697	7.232		16234	84°	15168	5.056		16223	
										SUMMATION SEE [illegible] 3-5 TO 3-6 [illegible]
										TOTAL BACKSIGHTS 3-5 [illegible]
										" FORESIGHTS 3-5 [illegible] 74.712
										DIFF. IN ELEVATION [illegible] 18.522
	56.190					74.712				

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. 204 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:00-3:00 P.M. Rod No. 7 E 3

Name L.A. Co. PRECISE LEVEL NE
Job No. 4923
From BM 3-6 To [illegible] 3-7
Date 8-2-54
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	5219 4583 3951 13753	4.584	636 632 1268	126.8	#7 84°	3328 2677 2027 8032	2.677	651 650 1301	130.1	BM 3-6 (U.S. 4003) ([illegible]) SEE F.B. 1204-1 FOR DESCRIPTION
2	7052 6395 5738 19185	6395	657 657 1314	258.2		4561 3918 3273 11752	3.917	643 645 1288	258.9	T. G.E. DREIER
3	6648 6000 5352 18000	6.000	648 648 1296	387.8		4574 3926 3278 11778	3.926	648 648 1296	388.5	
4	6392 5742 5011 17225	5.742	650 651 1301	517.9		4723 4078 3429 12230	4.077	645 649 1294	517.9	
5	6610 5960 5309 17879	5.960	650 651 1301	648.0		4064 3416 2765 10245	3.415	648 651 1299	647.8	
		28.681					18.012			

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-6 To BM 3-7
Date 8-22-51
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	7209 6563 5916 19688	28.681 6.563	646 647 1293	648.0 7773		4276 3648 2998 10942	[illegible] 3.647	648 650 1298	649.8 7776	WEATHER - WINDY
7	7140 6490 5840 19470	6490	650 650 1300	9073		4185 3539 2891 10615	3538	646 648 1294	9070	
8	7098 6447 5796 19341	6.447	651 651 1302	10375		4710 4050 3390 12150	4050	660 660 1320	10390	
9	7228 6582 5935 19745	6582	646 647 1293	11668		4364 3715 3067 11146	3715	649 648 1297	11687	
10	7265 6614 5964 19843	6.614	651 650 1301	12969		3369 2722 2077 8168	2723	647 645 1292	12979	
		61377					35.685			

F.B. 1204 PG. 66

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F Naumann
Notes by S Shinoda
Weather CLEAR
Time 2:00-3:00 PM
Inst. No. 50010
Rod No. 7 & 8

Name L A Co Precise Level
Job No. 4923
From BM 3-6 To B 12-7
Date 8-22-51
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	8550	6.377	650	1296.9		2917	6.85	649	1297.9	
	1900		650			2268		650		
	7-50		1300			1618		1299		
	23700	7.900		1426.9		6803	2.268		1427.8	
12	7638		647			4970		649		
	6991		649			4321		650		
	6342		1296			3671		1299		
	30971	6.[illegible]		1556.5		12962	4.321		1557.7	
13	6981		649			4364		651		
	6332		650			3713		650		SUMMATION OF [illegible]
	5682		1299			3063		1301		B.M 3-6 [illegible]
	18995	6.3[illegible]		1686.4		11140	3.713		1687.8	
14	7388		645			4546		65[illegible]		
	6743		643			3894		651		TOTAL BACKSIGHTS [illegible] 50.068
	6100		1288			3243		1303		FORESIGHTS [illegible] 50.644
	30231	6.744		1215.2		11683	3.894		1118.1	DIFF. IN ELEVATION [illegible] 44.2[illegible]
15	6030		305			1068		305		
	5725		305			0763		306		B.M 3-7 (U.S. [illegible])
	5420		610			0457		611		SEE F.B. 12[illegible]
	17175	5.725		1876.2	+42	2288	0.763		1879.2	FOR DESCRIPTION
		95.068					50.644			

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

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-7 To BM 3-6
Date 8-23-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1.	0984 0673 0361 2.018	0.673	311 312 623	62.3	#7 68°	5902 5635 5339 16906	5.635	297 296 593	59.3	BM 3-7 (U.S 2770) (U-99) See F.B 1004-11 For description
2	4567 3917 3267 11751	3.917	650 650 1300	192.3		7413 6767 6119 20299	6.766	646 648 1294	188.7	⊼ G.E. Dafter
3.	4377 3725 3073 11175	3.725	652 652 1304	322.7		6996 6347 5698 19041	6.347	649 649 1298	318.5	
4	4890 4250 3610 12750	4.250	640 640 1280	450.7		7370 6913 6259 20742	6.914	657 654 1311	449.6	
5.	2911 2262 1613 6786	2.262	649 649 1298	580.5		8547 7898 7248 23693	7.898	649 650 1299	579.5	
		14.827					33.960			

F.B. 1204 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. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:20-10:20AM Rod No. 7 & 8

Name L. A. C. [illegible]
Job No. 4923
From BM 3-7 To B 3-6
Date 8-23-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6.	3362 2716 2070 8148	14.827 2.716	646 646 1292	580.5 7097		7258 6608 5957 19823	33.560 6.608	650 651 1301	579.5 7096	
7.	4352 3705 3057 [illegible]	3.705	647 648 1295	8392		7222 6575 5927 19724	6.575	647 648 1295	8391	
8	4725 4065 3405 12195	4.025	660 660 1320	9712		7107 6457 5807 19371	6.457	650 650 1300	9691	
9	4222 3575 2927 10724	3.575	647 648 1295	11007		7183 6534 5885 19602	6.534	649 649 1298	10989	
10.	4176 3528 2880 10584	3.528	648 648 1296	12303		7092 6446 5798 19336	6.445	646 648 1294	12283	
		32.416					66.179			

F.B. 204 PG. 67

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-7 To BM 3-6
Date 8-23-51
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	4073 3426 2779 10278	32.416 3.426	647 647 1294	1230.3 1359.7		6628 5976 5325 17929	66.179 5.[illegible]	652 651 1303	1228.3 1358.6	
12	4588 3940 3293 11821	3.940	648 647 1295	1489.2		6256 5605 4953 16814	5.605	651 652 1303	1488.9	
13	4681 4035 3388 12104	4.035	646 647 1293	1618.5		6760 6111 5463 18334	6.111	649 648 1297	1618.6	SUMMATION OF RUN BM 3-7 to BM 3-6
14	4429 3779 3129 11337	3.779	650 650 1300	1748.5		6901 6250 5599 18750	6.250	651 651 1302	1748.8	TOTAL BACKSIGHTS + 50.252 FORESIGHTS - 94.683 DIFF IN ELEVATION - 44.431
15	3302 2656 2009 7967	2.656	646 647 1293	1877.8	7.62	5202 4562 39[illegible] 13686	4.5[illegible]	640 640 1280	1876.8	B.M. 3-6 (US 4003)(R 778) SEE F.B. [illegible]-10 FOR DESCRIPTION
		50.252					94.683			

F.B. 1204 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. 50,010
Notes by S SHINOZA Time 3:00-4:00 P.M. Rod No. 7 E 8

Name L.A. Co. Engineer Lic. No.
Job No. 4928
From BM 3-7 To 3 - 3 P
Date 6-22-5
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	1650 1180 0710		470 470 940		#7	4869 4420 3971		449 450 899		BM 3-7 (U.S. 710) (J-97) SEE F.B. 1004 [illegible] FOR DESCR. PT.
	3540	1180		940	84°	3259	4420		89.9	
2	6674 6055 5415		639 640 779			3992 3332 2671		660 661 1321		X G.E. Dr. [illegible]
	18164	6055		2219		9995	3332		2220	
3	7301 6653 5905		648 651 748			4041 3396 2747		648 649 1299		
	19657	6552		3517		10187	3396		3517	
4	7200 6551 5898		649 653 1302			4331 3677 3033		644 644 1278		
	19649	6550		4851		11061	3687		4805	
5	7618 6968 6318		650 650 1300			3020 2371 1723		649 648 1297		
	20904	6968		6128		7114	2371		6102	
	27.305					17.206				

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

Name L A Co PRECISE LEVEL NET
Job No. 4923
From BM 3-7 To BM 3-8
Date 8-22-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	8534 7888 7242 23664	27305 7.888	646 646 1292	612.0 1.9 741.2		2349 1699 1049 5097	17206 1.699	650 650 1300	610.2 7402	
7	8668 8168 7668 24504	8.168	500 500 1000	841.2		1948 1453 0958 4359	1.453	495 495 990	839.2	
8	8863 8367 7871 25101	8.367	496 496 992	940.3		1620 1183 0686 3549	1.183	497 497 994	938.6	
9	8722 8226 7728 24676	8.225	496 498 994	1039.8	84.3	2267 1770 1272 5309	1.770	497 498 995	1038.1	STOPPED 4:00 PM 8-22-51
10	8402 8251 7600 24753	8.251 68.204	651 651 1302	69.9	66.3	3199 2550 1901 7650	2.550 25.561	649 649 1298	1107.9	STARTED 8:20 AM 8-23-51

F.B. 1204 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:20-8:30 AM Rod No. 7 & 3

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-7 To BM 3-8
Date 8-23-51
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8198	68.204 ✓	5[illegible]	11 ~~70.0~~ 69.9 ✓		4247	25.861 ✓	606	11[illegible] ✓	B.M. 3-8 (LA 4 ABR [illegible]
	7602		595			3641		607		SEE F.B. [illegible]
	7007		1191 ✓			3034		1213 ✓		FOR DESCRIPTION
	22807 ✓	7.602 ✓		1[illegible]89.0	66°	10922	3.64[illegible] ✓		1289.2 ✓	
										SUMMATION OF [illegible] B.M. 3-7 TO B.M. [illegible]
										TOTAL BACKSIGHTS [illegible] ✓
										" FORESIGHTS [illegible] ✓
										DIFF. IN ELEVATION [illegible] ✓

75.806 ✓ 29502 ✓

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. Sinnora Time 9:20 A Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-8 To BM 2-7
Date 8-23-51
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
1	4285 3680 3075 11040	3.68	605 605 1210	1210		8239 7648 7048 23930	7.97	596 575 1191	1191	BM 3-8 (La Habra 1-12A) See F.B. 1204-12 for description
2	3073 2422 1772 7268	2.42	650 651 1301	2511		8772 8122 7470 24364	8.12	650 652 1302	2493	TP G.E. Dreier
3	2243 1748 1251 5242	1.74	495 497 992	3503		8701 8204 7708 24613	8.20	497 496 993	3496	
F.B. 1204 PG. 74 4	1482 0982 0482 2946	0.98	500 500 1000	4503		8614 8119 7622 24355	8.18	495 497 992	4489	
5	1779 1282 0787 3848	1.28	497 495 992	5495		[illegible] 7996 7495 23986	7.99	500 501 1001	5479	
		10.065				7	40.08	2		

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 8:30-9:00 AM Rod No. 7 & 8

Name L.A. Co. Engineering
Job No. 4923
From BM 3-8 To B 13-7
Date 8-23-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6.	5819 4131< 6778	10.065	652 653 1305	549.5		7261 7619 6914	10.084	642 648 1287	547.9	
	4292	1.431		2800		22854	7.618		6766	
7.	5012 4361 1780		651 651 1302			7[illegible] 7033 6384		649 648 1297		
	[illegible]	2.431		2102		[illegible]	7.085		7065	
8	4556 3868 [illegible]		688 684 1375			7189 6581 6770		608 [illegible] 1317		
	[illegible]	3.667		9372		[illegible]	6.581		9[illegible]	
9	4090 3440 2790		650 650 1300			7251 6602 5954		641 650 1299		
	10320	3.440		10677		19805	6.603		10679	
10.	4067 3416 2765		651 651 1302			6786 6137 5487		649 650 1299		
	10248	3.416		11979		18410	6.137		11978	
		24.450				~~73.999~~ 74.000				

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. 5004
Notes by S. SHINOZA Time 8:30-9:20 Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-8 To BM 3-7
Date 8-23-51
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11.	4860 4375 3930 13185	24.450 4.395	465 465 930	1197.1 12909	68°	1611 1157 0702 3470	73.999 74.000 1.157	454 455 907	1197.8 1288.7	BM 3-6 (US 2770)(U-99) SEE F.B. 1204-11 FOR DESCRIPTION
										SUMMATION OF RUN BM 3-8 TO BM 3-7
										TOTAL BACKSIGHTS + 28.845 " FORESIGHTS − 75.157 DIFF IN ELEVATION − 46.312
		28.845					75.157			

F.B. 1204 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:30-10:50AM Rod No. 7E3

Name L.A. Co. Precise Level Net
Job No. 49-3
From BM 3-8 To B 73-9
Date 8-23-51
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
1	8682 8031 [illegible] 24094	8.031	651 650 1301	130.1	#7 76°	5153 4501 3847 13504	4501	651 653 1304	130.4	B.M. 3-8 (LA HABRA [illegible]) SEE F.B. 1204-12 FOR DESCRIPTION
2	5532 4880 4228 14640	4.880	652 652 1304	2605		7845 7192 6541 21578	7.193	653 651 1304	2608	⊼ G E DRIVER
3	3249 2754 2262 8265	2.755	495 492 987	3592		8638 8140 7641 24419	8140	498 499 997	3605	
4	2210 1828 1365 5483	1.828	462 463 925	451.7	76°	9867 9405 8946 28216	9405	464 463 927	4532	B.M. 3-9 (U.S. 4004) (M 774) SEE F.B. 1204-13 FOR DESCRIPTION
										SUMMATION OF FROM BM 3-8 TO B 73-9 TOTAL BACKSIGHTS + 17.494 " FORESIGHTS + 29.239 DIFF. IN ELEVATION + 11.745
		17.494					29.239			

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. Yarnamoto Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 10:50-11:10 AM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-9 To BM 3-8
Date 8-23-51
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	9747 9285 8123		462 462< 924✓		#7	2174 1708 1245		463 463< 926✓		BM 3-9 (U.S. 4004)(M779) SEE F.B. 1204-13 FOR DESCRIPTION
	27855✓	9285✓		92.4✓	76°	5124✓	1708✓		92.6	
2	8655 9155 9655		500 500< 1000✓			3263 2772 2280		491 492< 983✓		X G.E. DRIER
	27465✓	9155✓		192.4✓		8315✓	2772✓		190.7✓	
3	7835 7183 6532		652 651< 1303✓			5528 4873 4220		655 653< 1308✓		
	21550✓	7183✓		303.7✓		14621✓	4874✓		321.7✓	
4	5140 4489 3838		651 651< 1302✓			7605 8013 8422		65- 651< 1305✓		BM 3-8 (LA HABRA C-12A) SEE F.B. 1204-12 FOR DESCRIPTION
F.B. 1204 PG. 7 &	13467✓	4489✓		452.9✓	76°	24040✓	8013✓		452.0✓	
										SUMMATION OF RUN BM 3-9 TO BM 3-8 TOTAL BACKSIGHTS +29.112✓ " FORESIGHTS -17.367✓ DIFF. IN ELEVATION +11.745✓
		29.112✓					17.367✓			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. 52010
Notes by S. SHINODA Time 11:15 - 11:50 AM Rod No. 763

Name LA Co Precise Lines
Job No. 4923
From BM 3-9 To B 3-10
Date 8-23-51
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	5227 4583 3940 13750	4583	644 643 1287	128.7	#7 76.2	6022 5373 4724 16119	5373	649 649 1298	129.8	BM 3-9 (US 4004) [illegible] 9 SEE F.B. [illegible] 04 [illegible] FOR DESCR[illegible]
2	5932 5285 4638 15855	5285	647 647 1294	258.1		5547 4898 4247 14692	4897	649 651 1300	259.8	T G E DRE[illegible]
3	6193 5542 4892 16627	5542	651 650 1301	388.2		4616 3968 3319 11903	3968	648 649 1297	389.5	
4	7648 7150 6652 21450	7150	498 498 996	487.8		1975 1477 0980 4432	1477	498 497 995	489.0	
5	10305 9671 9040 29016	9672	634 631 1265	614.3		1551 0922 0291 2764	0921	629 631 1260	615.0	
		32232					16.636			

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 11:15 - 11:50 AM Rod No. 7 & 8

Name LA CO. PRECISE LEVEL NET
Job No. 4923
From BM 3-9 To BM 3-10
Date 8-23-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	7372 6853 6334 20559	32.232 6.853	519 519 1038	614.3 718.1	78°	8287 7789 7290 23368	16.636 7.789	500 499 999	615.0 7149	BM 3-10 (LA HABRA C-12) SEE F.B. 1204.14 FOR DESCRIPTION
										SUMMATION OF RUN BM 3-9 TO BM 3-10
										TOTAL BACKSIGHTS + 39.085 " FORESIGHTS - 24.425 DIFF. IN ELEVATION + 14.660
		39.085					24.425			

F.B. 1204 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:15-1:40 AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. [illegible]
From BM 3-10 To [illegible] 9
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
1	8272 7762 7251 23285	7.762	510 511 1021	102.1	#7 86.2	7331 6822 6313 20466	6.822	509 509 1018	101.8	B.M. 3-10 (LA HAB [illegible] C-12) SEE F.B. 1204 14 FOR DESCRIPTION
2	1567 0938 0308 2813	0.938	629 630 1259	228.0		10319 9685 9050 29054	9.685	634 635 1269	228.7	⊼ G.E. DREIER
3	1978 1481 0984 4443	1.481	497 497 994	327.4		7650 7151 6653 21454	7.151	498 498 976	328.4	
4	4573 3927 3281 11781	3.927	646 646 1292	456.0		6154 5503 4851 16508	5.503	651 652 1303	458.7	
5	5564 4913 4263 14740	4.913	651 650 1301	586.7		5753 5303 4652 15908	5.303	650 651 1301	588.9	
		19.021					34.464			

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 1:15-1:40 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-10 To BM 3-9
Date 8-23-51
Indexed J. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5700 5244 4589 15733	19.021 5.244	656 655 1311	586.7 717.8	88°	5087 4407 3818 13356	34.464 4.452	636 633 1269	588.7 8 715.6	B.M. 3-9 (US 4004) (M 779) SEE F.B. 1204-13 FOR DESCRIPTION
										SUMMATION OF RUN BM 3-10 TO BM 3-9
										TOTAL BACKSIGHTS 24.265 " FORESIGHTS - 38.916 DIFF IN ELEVATION - 14.651
		24.265					38.916			

F.B. 1204 PG. 82

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:45-2-10 PM Rod No. 7E3

Name [illegible]
Job No. 4723
From BM 3-10 To B[illegible]
Date 8-23-5[illegible]
Indexed L. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	3877 3227 2576 9680	3.227	650 651 1301	130.1	#7 88°	8622 7960 7296 23878	7.959	662 664 1326	132.6	BM 3-10 (LA HABRA [illegible]) SEE FB 1404-14 FOR DESCRIPTION
2	4565 3908 3252 11725	3.908	657 656 1313	2614		5647 5007 4364 15018	5.006	640 643 1283	2609	π G.E. DREIER
3	5415 4770 4125 14310	4.770	645 645 1290	3904		5657 5004 4361 15027	5.009	648 648 1296	3905	
4	5240 4589 3939 13768	4.589	651 650 1301	5205		5515 4865 4215 14595	4.865	650 650 1300	5205	
5	5931 5282 4631 15844	5.281	649 651 1300	6505		5867 5213 4561 15641	5.214	654 652 1306	651.1	

~~26.809~~
21.775

~~32.474~~
28.053

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 1:45-2:10 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-10 To BM 3-11
Date 8-23-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5603 5034 4466 15103	21.775 5.034	569 568 1137 7642	650.5	88°	4980 4421 3861 13262	28.053 4.421	559 560 1119 763.0	651.1	BM 3-11 (US 4005) N 779 SEE F.B. 1204-15 FOR DESCRIPTION
										SUMMATION OF RUN BM 3-10 TO BM 3-11
										TOTAL BACKSIGHTS +26.809 " FORESIGHTS -32.474 DIFF. IN ELEVATION -5.665
		26.809					32.474			

F.B. 1204 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. Shinoda Time 2:10-2:35 PM Rod No. 7 & 3

Name L A Co Precise Level No.
Job No. 4923
From BM 3-11 To [illegible]-10
Date 8-23-51
Indexed [illegible] C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4923 4371 3820 13114	4371	552 551 1103	110.3	#7 88°	555.9 4985 4413 14957	4986	574 572 1146	114.6	BM 3-11 (4005) [illegible] SEE F.B. 120[illegible] FOR DESCRIPTION
2	5901 5251 4601 15753	5251	650 650 1300	2403		5971 5321 4670 15962	5321	650 651 1301	2447	
3	5568 4919 4270 14757	4919	649 649 1298	3701		5297 4646 [illegible] 13936	4645	651 653 1304	3751	
4	5647 4999 4351 14997	4999	648 648 1296	4997		5402 4757 4110 14269	4756	645 647 1292	5043	
5	5587 4929 4271 14787	4929	658 658 1316	6313		4[illegible] 3831 3191 11493	3831	640 640 1280	6323	
		24.469					23.539			

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. SHINOLA Time 210-235 PM Rod No. 758

Name LATO PRECISE LEVELING
Job No. 4923
From BM 3-11 To BM 3-10
Date 8-23-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	8661 7996 7331 23988	24.469 7.996	665 665 330	631.3 7643	86°	3908 3263 2619 9790	23.539 3.263	645 644 1289	632.3 761.2	BM 3-10 (LA HABRA C-12) SEE F.B. 1204-14 FOR DESCRIPTION
										SUMMATION OF RUN BM 3-11 TO BM 3-10
										TOTAL BACKSIGHTS +32.465 " FORESIGHTS -26.802 DIFF. IN ELEVATION +5.663.
		32.465					26.802			

F.B. 1204 PG. 86

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:45-3:40 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LE[illegible]
Job No. 49-3
From BM 3-11 To B[illegible] 3-12
Date 8-23-51
Indexed C. Johns[illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1.	6612 5958 5303 17873	5958	654 655 1309	130.9	#7 86°	6042 5385 4728 16155	5385	657 657 1314	131.4	B.M 3-11 (US 4005) (N-779) SEE F.B 1204 - 5 FOR DESCRIPTION
2	6208 5557 4904 16669	5556	651 653 1304	2613		5237 4580 3922 13739	4580	657 658 1315	2629	A G.E. DREIER
3	6671 6010 5348 18029	6010	661 662 1323	3936		4866 4215 3563 12644	4215	651 652 1303	3932	
4	6256 5608 4959 16823	5608	648 649 1297	5233		5159 4500 3841 13500	4500	659 659 1318	5250	
5	6296 5647 4996 16939	5646	649 651 1300	6533		5071 4412 3756 13239	4413	659 656 1315	6565	
		28.778					23.093			

F.B. 1204 PG. 67

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:45-5:40 Rod No. 728

Name LA COUNTY LEVEL NET
Job No. 4923
From BM 3-11 To BM 3-12
Date 2-23-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	6351 5688 5022	28.778	663 666 1329	656.5		4934 4291 3650	[illegible]	643 641 1284	656.5	
	17061	5.688		7862		12875	4.292		7849	
7	6331 5678 5025		653 653 1306			4946 4289 3632		657 657 1314		
	17034	5.678		9168		12867	4.289		9163	
8	6250 5599 4949		651 651 1302			4909 4257 3607		652 650 1302		
	16797	5.599		10470		12773	4.257		10463	
F.B. 204 PG. 88 9	6275 5625 4974		650 651 1301			4992 4340 3693		652 647 1299		
	16874	5.625		11771		13021	4.340		11758	
10	6339 5685 5026		654 657 1311			4818 4152 3491		664 663 1327		
	17052	5.684		13082		12463	4.154		13085	
		57.051					44.427			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 2:45-3:40PM Rod No. 7 & 8

Name L. A. Co. [illegible]
Job No. 4923
From BM 3-11 To B[illegible]
Date 8-23-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	6168 5678 5187 17033	57.051 5.678	490 491 981	1308.2 1406.3		4729 4232 3735 12696	44.427 4.23[illegible]	497 497 994	1308.5 1407.9	
12	6145 5645 5144 16934	5.645	500 501 1001	1506.4	85°	6439 5937 5437 17815	5.938	500 502 1002	1508.1	B.M. 3-12 (LA [illegible] D-11) SEE F.B. 1204-[illegible] FOR DESCRIPTION
										SUMMATION OF [illegible] BM 3-11 TO BM 3-[illegible]
										TOTAL BACKSIGHTS [illegible] 2.374 " FORESIGHTS [illegible] 4.597 DIFF IN ELEVATION [illegible] 3.777
		68.374					54.597			

F.B. 1204 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..... 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. 1204 PG. 90.										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:30-9:10 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NE
Job No. 4923
From BM 3-12 To BM 3-11
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	[illegible]		502		#7	6243		498		BM 3-12 (LA-[illegible])
	[illegible]		504			5745		498		SEE F.B. 1604-16
	[illegible]		1006 ✓			5247		996 ✓		FOR DESCRIPTION
	[illegible] ✓	[illegible] ✓		1006 ✓	[illegible]	17235 ✓	5745 ✓		[illegible] ✓	
2	4632		[illegible]			6078		[illegible]		⊼ G.E. [illegible]
	[illegible]		495			5586		[illegible]		
	[illegible]		[illegible] ✓			5093		[illegible] ✓		
	[illegible] ✓	[illegible] ✓		1995 ✓		16757 ✓	5586 ✓		1981 ✓	
3	[illegible]		651			6478		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible] ✓			5159		[illegible] ✓		
	[illegible] ✓	[illegible] ✓		[illegible] ✓		17456 ✓	[illegible] ✓		3300 ✓	
4	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible] ✓			[illegible]		[illegible] ✓		
	[illegible] ✓	[illegible] ✓		[illegible] ✓		[illegible] ✓	[illegible] ✓		[illegible] ✓	
5	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible] ✓			5131		[illegible] ✓		
	[illegible] ✓	[illegible] ✓		[illegible] ✓		17356 ✓	[illegible] ✓		[illegible] ✓	
		[illegible] ✓					[illegible] ✓			

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 [illegible] Inst. No. [illegible]
Notes by S. Shinnor Time 8:30-9:10 A.M. Rod No. [illegible]

Name L A Co Precise Level Net
Job No. [illegible]
From BM 3-12 To BM 3-11
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
[illegible]	5038 4380 3725 [illegible]	23.251 ✓ [illegible] ✓	658 655 1313 ✓	590.2 ✓ [illegible] ✓		[illegible] [illegible] [illegible] 17315 ✓	[illegible] ✓ [illegible] ✓	651 652 1303 ✓	590.8 ✓ 721.1 ✓	
7	[illegible] 4272 3625 [illegible]	[illegible] ✓ [illegible] ✓	[illegible] 647 [illegible] ✓	[illegible] ✓		[illegible] 5671 5013 17013 ✓	[illegible] ✓	[illegible] 658 [illegible] ✓	[illegible] ✓	
8	5130 4475 [illegible] [illegible]	[illegible] ✓	655 [illegible] 1310 ✓	[illegible] ✓		[illegible] [illegible] [illegible] 17127 ✓	[illegible] ✓	[illegible] 651 [illegible] ✓	[illegible] ✓	
9	[illegible] [illegible] [illegible] 13655 ✓	[illegible] ✓	[illegible] [illegible] [illegible] ✓	[illegible] ✓		[illegible] 5659 [illegible] 16976 ✓	[illegible] ✓	[illegible] [illegible] [illegible] ✓	[illegible] ✓	
10	[illegible] [illegible] [illegible] [illegible]	[illegible] ✓ [illegible] ✓	650 [illegible] [illegible] ✓	[illegible] ✓		6723 6061 [illegible] 18184 ✓	[illegible] ✓ [illegible] ✓	[illegible] [illegible] 1323 ✓	[illegible] ✓	
		[illegible] ✓					[illegible] ✓			

F.B. 1204 PG. 92

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L. A. Co. PRECISE LE[illegible]
Job No. 4923
From BM 3-12 To B[illegible] 3-11
Date 8-24-51
Indexed [illegible] C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	5289 [illegible] 4634 [illegible] 13903	[illegible] 4634	655 [illegible] 1309	13741		6262 [illegible] 5611 4951 16832	[illegible] 5611	651 652 1303	13756	
12	[illegible] 5468 4808 16404	[illegible]	666 666 1320	15061	64[illegible]	[illegible] [illegible] 5386 18123	[illegible]	[illegible] 655 [illegible]	15066	[illegible] (US 4005 [illegible]) SEE F.B. [illegible] 4-15 FOR DESCRIPTION
										SUMMATION OF [illegible] BM 3-12 TO [illegible]
										TOTAL BACKSIGHTS + 5[illegible] ✓ " FORESIGHTS - 6[illegible] ✓ DIFF. IN ELEVATION - 3.791 ✓
	[illegible] ✓					[illegible] ✓				

F.B. [illegible] PG. 93

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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. 1204 PG. 94										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party [illegible] Weather CLOUDY Inst. No. [illegible]
Notes by S. SHINODA Time 7:30-10:35 AM Rod No. [illegible]

Name LA Co [illegible]
Job No. 4923
From BM 3-12 To B [illegible]
Date 8-24-51 C. Johnson
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7250 6591 5931 19773	6.591	659 660 319	131.9	#7 64°	4478 3871 3266 11615	3.872	607 605 1212	121.2	BM 3-12 (LA [illegible] SEE F.B. 12 4-16 FOR DESCRIPTION
2	7548 6901 6253 20703	6.901	647 648 1295	2614		3940 3290 2641 9871	3.290	650 649 299	2511	⊼ G.E. DRAIN
3	7507 6871 6238 20616	6.872	636 633 1269	3883		3329 2656 1984 7969	2.656	673 672 1345	3856	
4	9891 9255 8619 27765	9.255	636 636 1272	5155		1534 0870 0207 2611	0.870	664 663 1327	5183	
5	9561 9116 8671 27348	9.116	445 445 890	6045		1100 0655 0210 1965	0.655	445 445 890	6073	
		38.735					11.343			

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. SHINOWA Time 9:30-10:35 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From [illegible] To [illegible]
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	10270 9871 9472 29613	38.735 9.871	399 399 798	604.5 6845		1350 0958 0563 2873	[illegible]43 0.958	394 395 789	607.3 6862	
7.	10183 9790 [illegible] 29370	9.790	393 393 786	7629		1504 1107 0710 3319	1.106	395 397 792	7654	
8.	10345 9940 9535 29820	9.940	405 405 810	8439		1357 0964 0576 2891	[illegible]	387 388 775	8429	
9.	10018 9620 [illegible] 28860	9.620	398 [illegible] [illegible]	9235		1469 1076 [illegible] 3227	1.076	393 394 787	921.6	
10.	9447 9051 8656 27154	9.051 87.007	396 395 791	10026		1998 1600 1203 4801	1.600 17.007	398 397 795	1001.1	

F.B. 1204 PG. 96

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F Naumann Weather CLEAR Inst. No. 50010
Notes by S Stroud Time 9:30 - 10:35 AM Rod No. 7 8 8

Name L A Co Rd Dept
Job No. 4923
From BM 3-12 To 3 3 15
Date 8-24-51
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
11	8885	87.007	499	1002.6		2609	17.047	499	1001.1	
	8386		499			2109		498		SUMMATIONS OF A1
	7887		998			1611		499		BM 3-12 TO BM 3 15
	35152	2.386		2.024		6328	2.101		1.008	
12	7579		648			4653		647		TOTAL BACKSIGHTS 110.65
	6931		651			4006		648		" FORESIGHTS 37.61
	6280		649			3358		1295		DIFF IN ELEVATION 73.04
	50790	6.420		12.839		12017	4.006		12.003	
13	5409		461			6618		456		
	4948		462			6162		452		
	4486		923			5704		914		
	14843	4.948		13.246		17484	5.828		13.217	
14	3828		448			8760		463		
	3380		448			8297		465		BM 3-13
	2932		896			7832		928		SEE F.B 1004-17
	10140	3.380		12.472	12°	24889	8.296		14.145	FOR DESCRIPTION
		110.657					37.619			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

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

F.B. 1204 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. [illegible] Weather CLEAR Inst. No. 50010
Notes by SHINODA Time 1135AM-1150AM Rod No. 7 & 8

Name L.A. Co. [illegible]
Job No. 4923
From BM 3-13 To B 13-12
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8721		459		F7	3821		452		
	6222		458			3369		452		BM 3-13
	3764		917			2917		904		See F.B. [illegible] 17
	9487	2.82		1.7	74°	10107	3.269		90.4	See [illegible]
2	6010		459			5399		462		
	6151		459			4937		462		P. G.E. Dredge
	5692		918			4475		924		
	17453	6.151		183.5		14811	4.937		1228	
3	5223		647			8158		654		
	4576		647			7504		653		
	3929		1294			6851		1307		
	13728	4.576		3129		22513	7.504		3135	
4	2690		500			8964		497		
	2190		499			8467		499		
	1691		999			7968		996		
	6571	2.190		4128		25399	8.466		4131	
5	1894		399			9342		395		
	1495		399			8947		395		
	1096		798			8552		790		
	4485	1.495		4926		26841	8.947		4921	
		22.694					33.223			

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 10:35 - 11:50 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-13 To BM 3-12
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	1531	22.694	393	492.6		10077	[illegible]	397	492.1	
	1138		395			9680		394		
	0743		781			9281		796		
	3412	1.137		571.4		29038	9.679		571.7	
7	1302		397			10276		396		
	0905		397			9880		397		
	0508		794			9483		793		
	2715	0.905		650.8		29639	9.880		651.0	
8	1431		396			10112		392		
	1035		396			9720		392		
	0639		792			9328		784		
	3105	1.035		730.0		29160	9.720		729.4	
9	1309		397			10225		396		
	0912		396			9829		398		
	0516		793			9431		794		
	2737	0.912		809.3		29485	9.828		808.8	
10	1313		450			9762		437		
	0863		450			9325		438		
	0413		900			8887		875		
	2589	0.863		899.3		27974	9.325		896.3	
		27.546					81.655			

F.B. 1204 PG. 100

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party [illegible] Weather CLEAR Inst. No. [illegible]
Notes by [illegible] Time 10:35 TO 11:50AM Rod No. [illegible]

Name [illegible]
Job No. [illegible]
From [illegible] To [illegible]
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
11.	1763	2.546	658	899.3		10126	81.655	645	896.3	
	1105		658			9481		644		
	0447		1316 ✓			8837		1289 ✓		
	3315 ✓	1.105 ✓		1030.9 ✓		27474 ✓	9.481 ✓		1025.2 ✓	
12	3699		639			7942		646		SUMMATION OF [illegible]
	3060		639			7276		667		BM 3-13 TO BM [illegible]
	2421		1278 ✓			6601		1333 ✓		
	9180 ✓	3.060 ✓		1158.7 ✓		21827 ✓	7.276 ✓		1158.5 ✓	
13.	4262 ✓		674			7860		665		TOTAL BACKSIGHTS + 39.221 ✓
	3588		674			7196		665		" FORESIGHTS + 12.248 ✓
	2914		1348 ✓			6530		1330 ✓		DIFF IN ELEVATION + 3.027 ✓
	10764 ✓	3.588 ✓		1293.5 ✓		21585 ✓	7.195 ✓		1291.5 ✓	
14.	4542		620			7276		635		BM 3-12 (LAHACIENDA [illegible]
	3922		620			6641		636		SEE F.B. 20-4-16
	3302		1240 ✓			6005		1271 ✓		FOR DESCRIPTION
	11766 ✓	3.922 ✓		1417.5 ✓	82°	19922 ✓	6.641 ✓		1417.6 ✓	
		39.221 ✓					112.248 ✓			

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. 64 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1115 Rod No. 753

Name LA Co Dreiser Lake
Job No. 4923
From BM 3-18 To B 3-14
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1.	3680 3281 2880		399 401 800✓		#7	8808 8410 8014		398 398 796✓		BM 3-18 SEE P.B. 1204-17 FOR DESCRIPTION
	9841✓	3.280✓		80.0✓	86°	25280✓	8.410✓		79.6✓	
2.	2160 1752 1344		408 408 816✓			9476 9082 8689		394 393 787✓		π GE DREIS-
	5256✓	1.752✓		161.6✓		27247✓	9.082✓		158.3✓	
3.	1515 1118 0719		397 399 796✓			9251 8850 8449		401 401 802✓		WEATHER - WINDY
	3352✓	1.117✓		241.2✓		26550✓	8.850✓		238.5✓	
4.	2787 2384 1982		403 402 805✓			6797 6404 6009		393 395 788✓		
	7153✓	2.384✓		321.7✓		19210✓	6.403✓		317.3✓	
5.	5492 4994 4497		492 497 995✓			4082 3581 3078		501 503 1004✓		
	14973✓	4.991✓		421.2✓		10741✓	3.580✓		417.7✓	
	3457✓					36.325✓				

F.B. 1121 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:45 Rod No. 7 E 8

Name L.A.G. PRECISE LEVEL NET
Job No. 47-25
From BM 3-13 To BM 3-14
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	8410	13.457	442	421.2		1747	36.325	452	417.7	
	7968		443			1295		453		
	7525		885			0842		905		
	23903	7.968		509.7		3884	1.295		508.2	
7	8649		404			2002		393		
	8245		404			1609		393		
	7841		808			1216		786		
	24735	8.245		590.5		4827	1.609		586.8	
8	8824		382			2222		408		
	8442		382			1814		408		
	8060		764			1406		816		
	25326	8.442		666.9		5442	1.814		668.4	
9.	9080		396			2203		398		
	8684		396			1805		397		
	8288		790			1408		795		
	26052	8.684		746.1		5416	1.805		747.9	
10.	8697		398			2448		396		
	8301		398			2052		394		
	7903		796			1658		790		
	24903	8.301		825.7		6158	2.053		826.9	
		55.097					44.901			

F.B. 1204 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. SHINODA Time 1:15-2:20 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-13 To BM 3-14
Date 8-24-51
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
11.	7872 7479 7083 22434	55.097 7.478	373 396 789	825.7 9046		3332 2931 2531 8794	44.901 2.931	401 400 801	826.9 907.0	
12.	8032 7385 6740 22157	7.386	647 645 1292	1033.8		4431 3781 3131 11343	3.781	650 650 1300	1037.0	
13	5628 5039 4390 15177	5.039	648 649 1298	1163.6		6276 5628 4979 16883	5.628	648 649 1297	1166.7	SUMMATION OF R[illegible]N BM 3-13 TO B[illegible]
14	4821 4329 3838 12988	4329	492 491 983	1261.9		5765 5297 4828 15890	5.297	468 469 937	1260.4	TOTAL BACKSIGHTS + [illegible]3.867 " FORESIGHTS − [illegible]8.978 DIFF IN ELEVATION [illegible]
15.	5019 4538 4057 13614	4.538	481 481 962	1358.1	88°	6922 6440 5958 19320	6.440	482 482 964	1356.8	BM 3-14 SEE F.B. 1-04-18 FOR DESCRIPTION
		83.867					68.978			

F.B. 1204 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..... 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. 1204 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. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20 - 3:35 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-14 To E [illegible]
Date 8-24-51
Indexed A. C. John[illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1.	6969 6486 6001 19456	6.485	483 485 968	96.8	#7 88.2	5063 4582 4101 13746	4582	481 481 962	96.2	BM 3-14 SEE F B 1204-1 FOR DESCRIPTION
2.	5740 5259 4778 15777	5.259	481 481 962	193.0		4773 4293 3813 12879	4.293	480 480 960	192.2	G.E. DREIER
3.	6249 5599 4949 16797	5.599	650 650 1300	323.0		5659 5010 4362 15031	5.010	648 648 1297	321.9	
4.	4382 3732 3082 11196	3.732	650 650 1300	453.0		7986 7339 6692 22017	7.339	647 647 1294	451.3	
5.	3412 3010 2606 9028	3.009	402 404 806	533.6		7951 7558 7164 22673	7.558	393 394 787	530.0	
		24.084					28.782			

F.B. 1204 PG. 107

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINOGA Time 2:20-3:35 P.M. Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 3-14 To BM 3-13
Date 8-24-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	2361 1967 1572 5900	24.084 1.967	394 395 789	533.[illegible] 6125		8615 8215 7815 24645	18.782 8[illegible]5	400 400 800	530.0 6100	
7	1900 1502 1106 4508	1.503	398 396 794	6919		8778 8382 7984 25144	8.3[illegible]	396 398 794	6894	
8	2115 1719 1322 5156	1.719	396 397 793	7712		8740 8347 7951 25038	8.346	393 396 789	768.3	
9	1953 1554 1154 4661	1.554	399 400 799	851.1		8588 8190 7793 24571	8.[illegible]0	398 397 795	8478	
10	1670 1230 0790 3690	1.230	440 440 880	9391		8361 7902 7444 23707	7[illegible]2	459 458 917	939.5	
		32.057					69[illegible]6			

F.B. 1204 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. NAZMAKI Weather CLEAR Inst. No. 50012
Notes by S. SHINDRA Time 2:20 - 3:35 PM Rod No. 7 & S

Name L.A. Co. Flood Control
Job No. 4-
From BM 3-14 To B 13-
Date 4-24-57
Indexed C. Johns

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
	40832.05		504	939.1		5422 67.814		497	939.5	
	3514		503			4931		496		
11	3011		1007			4435		998		
	10753	3584		1039.8		14794	4931		1038.8	
	6671		396			2657		399		
	6275		396			2258		400		
12	5879		792			1858		799		
	18825	6275		1119.0		6773	2.258		1118.7	
	9211		404			1529		395		
	8807		406			1134		394		SUMMATION OF LINE BM 3-14 TO BM 3-13
13	8461		810			0740		789		
	26599	8.866		1200.0		3403	1.134		1197.6	
	9036		394			1713		403		
	8642		393			1310		406		TOTAL BACKSIGHTS + 27.977
14	8249		787			0904		809		FORESIGHTS - 82.873
	25927	8.642		1278.7		3927	1.309		1278.5	DIFF IN ELEVATION - 14.896
	8953		400			3822		397		
	8553		400			3425		397		BM 3-13
15	8153		800			3028		794		SEE F.B. 1204-17
	25659	8.553		1358.7	88°	10275	3.425		1357.9	FOR DESCRIPTION
	67.977					82.873				

F.B. 2004 PG. 107

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party..... 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. 1204 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:40-9:45 AM Rod No. 7 E 3

Name [illegible]
Job No. 4929
From [illegible] To [illegible]
Date 7-27-51
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	9111 [illegible] 8124 25861	[illegible]	497 496 993	993	#7 72°	4898 4392 3888 13178	4393	506 504 1010	1010	BM 3-14 SEE F.B. 1-04-1 FOR DESCRIPTION
2	4051 3601 3151 10803	3.601	450 450 900	1893		8421 7972 7526 23919	7.973	449 446 895	1905	TO G.E. DELTA
3	3400 3049 2699 9147	3.049	450 450 900	[illegible]		7527 7082 6635 21244	7.081	445 447 892	[illegible]	
4	4119 3719 3319 11157	3.719	400 400 800	3593		8918 8528 8131 25583	8.528	390 391 781	3578	
5	2510 2110 1711 6331	[illegible]	400 399 799	4392		4640 4243 3843 12728	4243	397 400 [illegible]	4377	
		21.099					32.217			

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 8:40-9:45 Rod No. 758

Name LA Co Precise Level Net
Job No. 4925
From BM 5 To BM 3
Date 2-27-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	10224 2224 8227 28275	21.094 7424	2459 1592 5959			7677 6881 [illegible] [illegible]		796 796 1592 [illegible]	437.7 5969	
7.	1858 [illegible] 3524 3120	1040	198 198 1596 7553			10652 9860 4268 [illegible]	[illegible]	796 797 1593 [illegible]	2562	
8.	2359 2010 1661 6330	2110	349 349 698 [illegible]			[illegible] 10142 [illegible] [illegible]	[illegible]	345 349 694 [illegible]	8256	
F.B. 1204 PG. 112 9	1611 1316 1021 [illegible]	1316	295 295 590 [illegible]			[illegible] 4090 3794 [illegible]	[illegible]	[illegible] 296 [illegible] [illegible]	[illegible]	
F.B. 1204 PG. 112 10	11763 [illegible] [illegible] [illegible]	[illegible]	649 649 [illegible] [illegible]			[illegible] 5402 4758 [illegible]	[illegible]	645 644 [illegible] [illegible]	10130	
		46005					[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. Vaumann Weather Clear Inst. No. 50010
Notes by S. Shinoia Time 8:40-9:45 PM Rod No. 7 & 8

Name L.A. Co. Precip. [illegible]
Job No. 4923
From BM 5-14 To [illegible]
Date 8-27-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	1177 [illegible] [illegible] [illegible]	46.003 ✓ [illegible] ✓	299 299 598 ✓	1016.9 ✓ [illegible] ✓		9703 9410 9118 [illegible]	68.587 ✓ [illegible] ✓	293 292 585 ✓	1013.6 [illegible] ✓	
12	[illegible] [illegible] [illegible] 4079 ✓	1.350 ✓	237 235 472 ✓	11239 ✓		10004 9753 [illegible] [illegible] ✓	9.753 ✓	256 256 512 ✓	11233 ✓	
13	[illegible] [illegible] [illegible] 3284 ✓	[illegible] ✓	371 372 743 ✓	1198.2 ✓		[illegible] 2726 2355 8177 ✓	2.726 ✓	370 371 [illegible] ✓	11974 ✓	Summation of [illegible] B.M. 5-14 to B [illegible]
14	11683 11273 10862 33818 ✓	11273 ✓	410 411 821 ✓	1280.3 ✓		1713 1383 1052 4148 ✓	[illegible] ✓	330 331 661 ✓	1263.5 ✓	Total Backsights + 6 [illegible] ✓ Foresights - 8 [illegible] ✓ Diff. Elevation - 3 [illegible] ✓
15	7241 6988 [illegible] 20963 ✓	6.988 ✓	253 254 507 ✓	1331.0 ✓	76.3	7964 7635 7302 22905 ✓	7.635 ✓	329 329 658 ✓	1329.3 ✓	B.M. 3-15 See F.B. 1204-19 For Descr[illegible]
		67.587 ✓					29.494 ✓			

F.B. 1204 PG. 113

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 1904 PG. 114										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN 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. 50910
Notes by J. Shelson Time 9:45-10:45 AM Rod No. 7 S
Name L.A. Co. Pass. Line
Job No. 4022
From BM 3-15 To [illegible]
Date 8-27-51
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	7883 7513 7403		370 370< 570			7388 7047 6756		341 291< 582		BM 3-15 See F.B. 12[illegible] For [illegible]
	23577	7.693		560	76°	21141	7.047		562	
	12[illegible] [illegible] 1559		371 370< 741			11189 10819 10248		371 370< 741		X G.E. [illegible]
	22722	5.929		1521		22455	10.227		1523	
3	3077 2729 2358		370 370< 740			1469 1095 0725		372 370< 744		
	8127	2.709		2061		3291	1.097		2062	
4	9970 9705 9460		265 245< 490			1550 1301 1052		249 249< 498		
	29135	9.705		2555		3903	1.301		2595	
5	10587 10295 9501		292 292< 586			1560 1261 0962		299 299< 598		
	29381	9.794		3137		3783	1.261		3163	
	30.850					21.524				

F.B. [illegible] 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 [illegible] Weather CLEAR Inst. No. 50010
Notes by [illegible] Time [illegible] Rod No. 7 & 8

Name L.A. Co Precise Level Nat
Job No. 4925
From BM 3-15 To BM 3-14
Date 8-27-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	595 4707 4209 14703	20.850 4.9[illegible]	[illegible] 692 1384	313.7 4[illegible]		1[illegible] [illegible] [illegible] [illegible]	[illegible] [illegible]	597 596 [illegible]	316.3 4356	
7	4096 [illegible] [illegible] [illegible]	3.844	252 253 [illegible]	5026		[illegible] 1077 0739 [illegible]	[illegible]	336 338 674	5030	
8.	10452 10107 9761 30320	10.107	345 346 691	5717		2319 1970 1621 5910	[illegible]	347 349 698	5728	
9	9300 8710 8120 26130	8.710	590 590 1180	6897		2592 1988 1382 5962	1.987	604 606 1210	6938	
10	8906 8310 7715 24931	8.310	596 595 1191	8088		5241 4644 4249 13934	[illegible]	597 595 1192	8130	
		66.722					4.[illegible]			

F.B. 1204 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 7:45-10:45 AM Rod No. 7 S 8

Name L.A. Co. Precise Lev. No. 16
Job No. 4923
From BM 3-15 To B 3-14
Date 8-27-51
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
11.	3288 / 2284 / 2077	2284	604 / 605 / 1209	808.8		2512 / 7920 / 9328	7920	592 / 592 / 1184	813.0	
	8057	8.284		929.7		19760	7.920		931.4	
12.	10618 / 10057 / 9497	10057	561 / 560 / 1121			2621 / 1992 / 1360		632 / 632 / 1264		
	30172	10.057		1041.8		5976	1.992		1058.78	
13.	7658 / 7175 / 6692		483 / 483 / 966			3559 / 3146 / 2730		413 / 416 / 829		SUMMARY OF LEVELING BM 3-15 TO BM 3-14
	21525	7.175		1522.4		9435	3.145		1140.7	
14.	8452 / 7998 / 7542		454 / 456 / 910			4067 / 3625 / 3185		442 / 442 / 884		TOTAL BACKSIGHTS 23.977 ✓ FORESIGHTS 7.011 ✓ DIFF IN ELEVATION + 16.966 ✓
	23992	7.997		1229.4		10881	3.627		1229.4	
15.	4729 / 4224 / 3720		505 / 504 / 1009			9008 / 8513 / 8020		495 / 493 / 988		BM 3-14 SEE F.B. 1[illegible] FOR DESCRIPTION
	12853	4.284		3503	86°	25541	8.514		3279	
	78919					67011				

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co Precise Level Net
Job No. 4923
From BM 3-15 To BM 3-14
Date 8-27-51
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. 1204 PG. HP

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Name LACo PRECISE LE[illegible]
Job No. 4923
From BM 3-15 To [illegible]
Date 8-27-51
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
1	3013 2763 2512 8288	2.763	250 251 501	50.1	#7 86°	11104 10858 10613 32575	10.858	246 245 491	49.1	BM 3-15 SEE F.B. 1204-19 FOR DESCRIPTION
2	[illegible] 0583 0353 1750	0.583	231 230 461	96.2		10844 10588 10331 31763	10588	256 257 513	100.4	R. G.E. DRAFT
3	2283 1773 1263 5319	1.773	510 510 1020	198.2		2163 1677 1189 5029	1.676	486 488 974	197.8	
4	9029 8779 8529 26337	8.779	250 250 500	248.2		2485 2240 1994 6719	2.240	245 246 491	246.9	
5	9475 9128 8780 27383	9.128	347 348 695	317.7		2242 1896 1550 5688	1.896	346 346 692	316.1	
		23.026					27.258			

F.B. 1200 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 J. SHINOLA Time 11:00-1:30P Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-15 To BM 3-16
Date 8-27-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	6646 6147 5648 18441	23.026 6.147	499 499 998	317.7 417.5		7383 6886 6388 20657	27.258 6.886	497 498 995	316.1 415.6	
7.	1800 1299 0798 3897	1.299	501 501 1002	517.7		7408 6910 6412 20730	6.910	498 498 996	515.2	
8	4732 4082 3431 12245	4.082	650 651 1301	647.8		5829 5182 4537 15548	5.183	647 644 1291	644.3	
9.	7072 6572 6072 19716	6.572	500 500 1000	747.8		1440 0945 0450 2835	0.945	495 495 990	743.3	
10.	9045 8397 7748 25190	8.397	648 649 1297	877.5		4948 4298 3648 12894	4.298	650 650 1300	873.5	
		49.523					51.480			

F.B. 1204 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-1:30 PM Rod No. 7 F 8

Name LA Co Prelim Circuit
Job No. 4923
From BM 3-15 To B 3-16
Date 7-27-51
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.	3931	49.500	649	8775		4167	51.200	615	8735 4	
	3282		648			3522		646		
	2634		1297			2876		1291		
	9847	3.328		10072		10565	3.522		10024 5	
12.	6621		640			4922		661		1 HOOK FOR LOOK
	5989		640			4261		661		
	5349		1280			3600		1322		
	17967	5.989		11352	94°	12783	4.261		11346 7	
13.	4844		644			4402		654		SUMMATION OF B.S.
	3200		642			3748		656		B.M. 3-15 TO B.M. 3-16
	3507		1297			3092		1310		
	11851	3.950		12649	94°	11242	3.747		11653 7	
14.	5908		639			6134		680		TOTAL BACKSIGHTS + 11.391
	5269		640			5454		691		TOTAL FORESIGHTS - 11.420
	4629		1279			4773		1371		DIFF. IN ELEVATION = 3.029
	15806	5.269		13928		16361	5.453		14116 8	
15.	4057		679			6598		642		
	3378		670			5956		643		B.M. 3-16
	2698		1359			5313		1285		SEE F.B. 1204 PG. 1-1
	10133	3.378		15287	94°	17867	5.956		15302 3	FOR DESCRIPTION
	68394					74220				
	71.391					74.420				

F.B. 1204 PG. 1-1

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. 5-0010
Notes by S. SHINODA Time 11:00 - Rod No. [illegible]

Name L.A.Co. PRECISE LEVEL NET
Job No. 4928
From BM 8-15 To BM 8-16
Date 8-27-51
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. 1204 PG. 122

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. [illegible] Time 1:30-3:00PM Rod No. 728

Name L A Co. Precise Level Net
Job No. 4923
From BM 3-16 To [illegible]
Date 8-27-50
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1.	6676 6035 5393 18104	6.035	641 642 1283	1283	#7 94°	4135 3456 2775 10366	3.455	679 681 1360	136.0	[illegible] SEE F.B. 1204 [illegible] FOR DESCRIPTION
2.	[illegible] [illegible] [illegible] 16446	5.482	680 680 1300	2643		5737 5298 4659 15894	5.298	639 639 1278	2638	⊼ G.E. DRIVER
3.	4433 3783 3133 11349	3.783	650 650 1300	3943		4641 3985 3330 11956	3.985	656 655 1311	3949	
4.	4611 3958 3302 11871	3.957	653 656 1309	5252		6332 5686 5039 17057	5.686	646 647 1293	5242	
5.	4188 3541 2891 10620	3540	647 650 1297	6549		3947 3299 2650 9896	3.299	648 649 1297	6539	
		22.797					~~31.723~~ 21.723			

F.B. 1204 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. NAUMANN Weather CLEAR Inst. No. 50610
Notes by S. SHINOUA Time 1:30-3:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-16 To BM 3-15
Date 8-27-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	4953 4806 3656 12915	22.797 4305	647 650 1297	654.9 7846		9051 8402 7751 25204	31.723 31.723 8401	649 651 1300	653.9 7839	
7	1282 0788 0291 2361	0.787	494 497 991	8837		6914 6415 5916 19245	6.415	499 499 998	883.7	
8	5793 5148 4501 15442	5.147	645 647 1292	1012.9		4697 4045 3393 12135	4.045	652 652 1304	1014.1	
9	7208 6706 6204 20118	6.706	502 502 1004	1113.3		1590 1093 0595 3278	1.093	497 498 995	1113.6	
10	7384 6889 6395 20668	6.889 46631	495 494 989	1212.2		6646 6145 5644 18435	6.145 57.822 47822	501 501 1002	1213.8	

F.B. 1204 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 1:30-3:00 PM Rod No. 7 [illegible]

Name L.A. Co PRECISE [illegible] NET
Job No. 49-[illegible]
From BM 3-[illegible] To [illegible]
Date 8-27-51
Indexed [illegible] C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	1975	46.631	348	1212.2		9207	47.8[illegible]	346	1213.8	
	1627		347			8861		349		
	1280		695			8512		695		
	4882	1.627		1281.7		26580	8.860		1283.3	
12	1901		247			8440		248		
	1653		248			8192		249		
	1405		496			7943		497		
	4959	1.653		1331.3		24575	8.192		1333.0	
13	1862		499			1960		499		SUMMATION OF [illegible]
	1363		497			1461		498		BM 3-16 TO BM [illegible]
	0866		996			0963		997		
	4091	1.364		1430.9		4384	1.461		1432.7	
14	10540		246			0731		233		
	10294		244			0498		232		TOTAL BACKSIGHTS + 71.581
	10050		490			0266		465		" FORESIGHTS - 68.541
	30884	10.295		1479.9		1495	0.498		1479.2	DIFF IN ELEVATION + 3.040
15	10264		253			1955		247		BM 3-15
	10011		254			1708		248		SEE F.B. 1204-2[illegible]
	9757		507			1460		495		FOR DESCRIPTION
	30032	10.011		1530.6	96°	5123	1.708		1528.7	
		71.581					68.541			

F.B. 1204 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. 204 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 CLEAR Inst. No. 50010
Notes by S. SHINOBA Time 3:15-4:00 PM Rod No. 7 & 3

Name L.A. Co. [illegible]
Job No. 4723
From BM 3-16 To [illegible]
Date 8-27-51
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
1.	7933 7290 6648 21871	7.290	643 642 1285	128.5	#7 94°	5339 4685 4031 14055	4685	654 654 1308	130.8	B.M. 3-16 SEE F.B. 1204 FOR DESCRIPTION
2.	6409 5762 5117 17288	5.763	647 645 1292	257.7		4291 3642 2992 10925	3.642	649 650 1299	260.7	[illegible] G.E. DRAIN [illegible]
3.	7841 7185 6529 21555	7.185	656 656 1312	328.9		2999 2360 1719 7078	2.359	639 641 1280	328.7	
4.	8644 7996 7348 23988	7.996	648 648 1296	518.5		3427 2776 2126 8329	2.776	651 650 1301	518.8	
5.	7203 6557 5908 19668	6.556	643 649 1292	6480	92°	4643 3998 3352 11993	3.998	645 646 1291	647.9	STOPPED 3:45 PM 8-[illegible]-51
		34.790					17.160			

F.B. 1204 PG. 127

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:30-8:50 AM Rod No. 7 & 8

Name L.A. Co. PRECISE [illegible]
Job No. 49[illegible]
From BM 3-16 To BM 3-17
Date 8-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	7018 6371 5722 19[illegible]	34.790 6.370	647 649 [illegible]	64[illegible] .80 [illegible] 6	70[illegible]	4930 4280 3630 12840	17.[illegible] 4.[illegible]	650 650 [illegible]	647.9 [illegible]	BEGINS 8:30 AM 8-28-51
7.	6895 6246 5596 18737	6.246	649 650 1299	5 907.2		4658 4061 3465 12184	4.[illegible]	597 596 [illegible]	897.2	
8.	6379 5754 5130 17263	5.754	625 624 1249	4 1032.[illegible]		5370 4700 4030 14100	4.[illegible]	670 670 [illegible]	1031.2	
9	6808 6157 5506 18471	6.157	651 651 [illegible]	6 [illegible]		4922 4271 3620 12813	4.[illegible]	651 651 1302	1161.4	
10	7198 6548 5899 19645	6.548 65.865	650 649 1299	5 1292.2		4904 4259 3612 12775	4.[illegible] 39.[illegible]	645 647 1292	1290.[illegible]	

F.B. 1404 PG. 128

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:30-8:50 AM Rod No. 7 & 8

Name L.A. Co. Precise Lev. Ne
Job No. 4923
From BM 3-16 To [illegible]-17
Date 8-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7621	15.76 ✓	780	12922 5		6210	39.030 ✓	780	12906 ✓	
	6841		780			5430		781		B.M. 3-17 -
11	6061		1560 ✓			4649		1561 ✓		SEE F.B. 1-04-[illegible]
	20523 ✓	6.841 ✓		14482 5	70°	16289 ✓	5.430 ✓		14467 ✓	FOR DESCRIPTION
										SUMMATION OF [illegible]
										B.M. 3-16 TO [illegible]
										TOTAL BACKSIGHTS + [illegible].706 ✓
										" FORESIGHTS [illegible].460 ✓
										DIFF. IN ELEVATION + [illegible]46 ✓
		72.706 ✓					44.460 ✓			

F.B. 1004 PG. [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN 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 [illegible] Time 8:30 AM 9:30 AM Rod No. 7 5 8

Name L.A. Co. Precise Level [illegible]
Job No. 4723
From BM 3-10 To [illegible]
Date [illegible]
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1.	6203 5421 [illegible]		782 783 1564		#7	7612 6832 6052		780 780 1560		BM 3-10 SEE F.B. [illegible] FOR DESCRIPTION
	16263	5421		186.4	7.2	19196	6.232		156.0	
2	4707 4062 3615		647 647 1294			7201 6552 5903		649 649 1298		T. G. E. DATUM
	12786	4262		2858		19656	6.552		2858	
3	[illegible]		651 650 1301			6711 6162 5511		649 651 1300		
	[illegible]	[illegible]		4158		19484	6.161		4158	
4.	5450 4799 4149		651 651 1302			6497 5850 5208		649 642 1291		
	14397	4.799		5464		17557	5.852		5448	
5	[illegible] 4268 3076		595 1192			[illegible] 6112 5623		[illegible] [illegible] 1248		
	[illegible]	4.2[illegible]		6656		[illegible]	[illegible]		6746	
	23046					21670				

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 8:50-9:3[illegible] Rod No. 1 & 3

Name L.A.Co. PRECISE LEVEL NO.
Job No. 4923
From [illegible] To [illegible]
Date 8-28-51
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	5071 4397 3720 13188	23.046 4.396	674 677 1351	665.6 8.07		7106 6475 5864 19455	31.70 6.485	621 621 1242	674.6 7988	
7	4890 4249 3608 12747	4.249	641 641 1282	9289		7460 6809 6158 20427	6.809	651 651 1302	9270	
8	3583 [illegible] 2280 8795	2.932	651 652 1303	10592		8800 8151 7503 24454	[illegible]	649 648 1297	10587	
9	3299 2650 2001 7950	2.650	649 649 1298	11890		8164 7476 6828 22428	7476	648 648 1296	11883	
10	4650 4002 3352 12004	4001	649 650 1298	13188		6764 6119 5473 18356	6119	645 646 1291	13174	
		41.274					66.910			

F.B. 1204 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. [illegible] Weather [illegible] Inst. No. [illegible]
Notes by S. SHINODA Time [illegible] Rod No. [illegible]

Name LA Co. Precise [illegible]
Job No. [illegible]
From B.M. 3-17 To B.M. 3-16
Date 8-28-51
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
	5164	41.274 ✓	650	1318.8 ✓		7766	66.910 ✓	64[illegible]	1317.4 ✓	
11.	4514		648			7120		648		BM 3-16
	3866		1298 ✓			6474		[illegible] ✓		SEE F.B. 1204
	13544 ✓	4.515 ✓		1448.6 ✓	74°	21358 ✓	7.119 ✓		1446.8 ✓	FOR DESCRIPTION
										SUMMATION OF [illegible] BM 3-17 TO B[illegible]
										TOTAL BACKSIGHTS + 4[illegible]789 ✓
										" FORESIGHTS - 7[illegible]009 ✓
										DIFF. IN ELEVATION - [illegible]40. ✓
		45[illegible]89 ✓					5[illegible].029 ✓			

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. 2204 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 [illegible] 10:25 AM Rod No. 7 & 8

Name [illegible]
Job No. 4923
From BM 3-17 To [illegible] 18
Date [illegible] 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.	7[illegible]5 7[illegible] 6[illegible] 22270	7[illegible]	562 56[illegible] 1123	112.3	#7 74°	4777 4209 3641 12627	4.209	568 568 1136	113.6	B.M. 3-17 SEE F.B. [illegible]-21 FOR DESCRIPTION
2.	6642 6088 5535 [illegible]	6.088	554 553 1107	2230		4394 3849 3302 11545	3.848	545 547 [illegible]	2228	⊼ G. E. DREIER
3.	76[illegible] 6980 6330 20939	6.980	64[illegible] 650 [illegible]	3527		4636 3388 3340 1196[illegible]	3.988	648 648 1296	3324	
4.	7170 6520 58[illegible] 19560	6.520	650 650 1[illegible]	4829		4858 4212 3568 12638	4.213	64[illegible] 644 [illegible]	4[illegible]	
5.	6989 6339 5690 19018	6.339	650 649 [illegible]	[illegible]28		4708 4063 3[illegible] 12190	4063	645 644 1289	6103	
		55.350					20.321			

F.B. [illegible] PG. 135

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:45-10:25 AM Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 3-17 To BM 3-18
Date 8-28-51
Indexed H. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6690	33.350	397	610.3		5[illegible]	[illegible]	395	610.3	
	6293		3[illegible]			4873		393		
	5896		794			4480		788		
	18879	6293		[illegible]		14631	[illegible]		6871	
	6777		401			3747		407		
7	6376		402			3540		407		BM 3-18 (U.S. 1015) (CS BM 1578)
	5974		803			3131		[illegible]		SEE F.B. 1204-22
	19127	6.376		[illegible]	78°	10618	[illegible]		7707	FOR DESCRIPTION
										SUMMATION OF RUN BM 3-17 TO BM 3-18
										TOTAL BACKSIGHTS + 46.017
										" FORESIGHTS - 28.734
										DIFF IN ELEVATION + 17.285
		46.017					28.734			

F.B. 1204 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. Nauman
Notes by S. Sakoda
Weather Cloudy
Time 9:50-11:00 AM
Inst. No. 50010
Rod No. 7 E 8

Name L.A. Co. Dre[illegible]
Job No. 4923
From BM 5-18 To [illegible]
Date 8-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1.	3951 3551 3150	3551	400 401 801	80.1	#7	6796 6384 5972	6384	412 412 824	82.4	BM 5-18 (U.S. 1015) (U.S. [illegible]) SEE F.B. 12 4-2[illegible] FOR DESCRIPTION.
2	5264 4871 4472	4871	392 399 791	159.8		6873 6284 5695	6284	589 589 1178	160.2	T. G.E. DREWER
3.	4621 4178 3735	4178	443 443 886	282.7		6971 6321 5671	6321	650 650 1300	292.2	
4	4[illegible] 4[illegible] 3[illegible]	4134	644 645 1289	418.4		7081 6434 5787	6435	647 647 1294	419.4	
5.	4574 3923 3271	3923	651 652 1303	548.7		7577 6915 6253	6915	662 662 1324	555.1	
	11824	3.748				30805	6.935			
	29538					32.361				

F.B. 1204 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:30 - 11:00 AM Rod No. 7 E B

Name L A Co PRECISE LEVEL NET
Job No. 4923
From BM 3-18 To BM 3-17
Date 8-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	4420 3872 3327 11619	20.538 3.873	548 545 1093	548.7 6580		6662 6111 5561 18334	[illegible] 6111	551 550 1101	551.8 6619	
7	4840 [illegible] [illegible] 12799	4.266	573 575 1148	7728	77°	8038 7421 [illegible] 22445	7.482	557 555 1112	7731	BM 3-17 SEE F.B. 1204-21 FOR DESCRIPTION
										[illegible] OF RUN BM 3-18 TO BM 3-17
										TOTAL BACKSIGHTS +28.677 " FORESIGHTS -45.962 DIFF. ELEVATION -17.285
		28.677					45.962			

F.B. 1204 PG. 138

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather WINDY & CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:45-1:40 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4723
From BM 3-18 To B.M. 3-20
Date 8-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2801		650		#7	8628		647		B.M. 3-18 (US 1215) (BM 15.8)
	2151		649			7981		645		SEE F.B. 1204-22
	1502		1299			7336		1292		FOR DESCRIPTION
1	6454	2151		1299	76°	23945	7982		1292	
	3806		649			8381		647		WINDY
	3157		649			7734		645		[illegible]
	2508		1298			7089		1292		
2.	9471	3157		2597		23204	7735		2584	
	4384		649			7042		650		
	3735		647			6392		651		
	3088		1296			5741		1301		
3.	11207	3736		3893		19175	6392		3885	
	5127		647			6741		650		
	4480		646			6091		650		
	3834		1293			5441		1300		
4.	13441	4480		5186		18273	6091		5185	
	4612		640			7471		648		
	3972		639			6823		650		
	3333		1279			6173		1298		
5	11917	3972		6465		20467	6823		6483	
		17496					35023			

F.B. PG.

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. E. Naumann Weather Cloudy Inst. No. 50010
Notes by S. Shinoda Time 10:45-1:40 Rod No. 7 & 8

Name L. A. Co. Precise Level Net
Job No. 49-3
From BM 3-18 To BM 3-20
Date 8-28-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6.	4670 4021 3371 12062	17.496 4.021	647 650 1299	646.5 7764		6240 5592 4745 16777	5[illegible]3 5.592	648 647 1295	648.3 7776	
7	5541 4876 4249 14686	4.895	645 647 1292	9056		6831 6182 5533 18546	6.182	649 649 1298	9076	
8.	3401 2751 2099 8251	2.750	650 652 1302	10358	74°	8611 7967 7321 23899	7[illegible]6	644 646 1290	10366	1 HOUR FOR LUNCH
9	3568 3025 2482 9075	3.025	543 543 1086	11444	72°	8518 7991 7463 23972	7.991	527 528 1055	11421	WEATHER - MISTING
10	2479 1833 1189 5501	1.834	646 644 1290	12734		6[illegible] 6265 5625 18793	6[illegible]4	638 640 1278	12699	
		34.021					69.118 69.017			

F.B. 1204 PG. 140

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather MISTING Inst. No. 50010
Notes by S. SHINODA Time 10:45-1:40 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LE[illegible]
Job No. 4923
From BM 3-18 To B[illegible] 3-20
Date 8-28-51
Indexed A. C. Jo[illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		31.021 ✓		12734 ✓			69.018 7 ✓		1269.9 ✓	B.M 3-19 (U.S. 1216) (BM 157) SEE F.B. [illegible] FOR DESCRIPTION
11	3407 2762 2117 8286 ✓	2.762 ✓	645 645 1290 ✓	14024 ✓		7679 7031 6384 21094 ✓	7.031 ✓	648 647 1295 ✓	13994 ✓	
12	3911 3371 2830 10112 ✓	3.371 ✓	540 541 1081 ✓	15105 ✓	12	8708 8154 7601 24463 ✓	8.154 ✓	554 553 1107 ✓	15101 ✓	BM 3-20 SEE F.B. 1204-[illegible] FOR DESCRIPTION
										SUMMATION OF [illegible] BM 3-19 TO B[illegible]
										TOTAL BACKSIGHTS [illegible] ✓ " FORESIGHTS [illegible] ✓ DIFF IN ELEVATION [illegible] ✓
		40.154 ✓					84.208 ✓ 2			

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. 1204 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. [illegible] Weather CLOUDY-MISTING Inst. No. [illegible]
Notes by S. SHINODA Time 1:45-2:[illegible] Rod No. 7 & 8

Name [illegible]
Job No. [illegible]
From BM 3-20 To [illegible]
Date [illegible]
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1.	8674 8125 7576 24375	8.125	549 549 1098	109.8	#7 72°	3887 3341 2797 10025	3.342	546 544 1090	109.0	B.M 3-20 SEE F.B. 1204-[illegible] FOR DESCRIPTION
2	7936 7290 6644 21870	7.290	646 646 1292	2390		3670 3021 2372 9063	3.021	649 649 1298	2388	
										B.M 3-19 (U.S. 1216, 35 BM 1519) SEE F.B. 1204-[illegible] FOR DESCRIPTION
3	[illegible] [illegible] 5499 [illegible]	[illegible]	[illegible] 634 1270	3660	72°	[illegible] 1700 [illegible] 5105	1.702	[illegible] [illegible] 1299	[illegible]	[illegible]
4.	8524 7999 7471 23994	7.998 29.547	525 528 1053	4713	76°	5572 3031 2490 9093	3.031 11.096	541 541 1082	4769	BEGAN 10:50 [illegible]

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.E. NAUMANN Weather [illegible] Inst. No. 50010
Notes by S. SHIMADA Time [illegible] Rod No. [illegible]

Name [illegible] Co. PRECISE LEVEL NET
Job No. [illegible]
From [illegible] To BM 3-16
Date [illegible]
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
5	8654	[illegible]	[illegible]	[illegible]		3450	[illegible]	655	476.9	
	8011		642			2797		654		
	7369		1285			2143		1307		
	24034	8011		[illegible]		8390	[illegible]		607.[illegible]	
6	7041		665			5224		684		
	6376		655			5029		654		
	5711		1330			4450		1338		
	19128	6396		733.8		14203	[illegible]		735.4	
7	6271		654			4676		641		
	5617		654			4035		643		
	4961		1310			3403		1284		
	16847	5.614		865.8		12153	[illegible]		865.8	
F.B. 204 PG. 144 8	7507		646			4653		642		
	6861		642			4011		641		
	6219		1288			3370		1283		
	20587	6.860		979.[illegible]		10034	[illegible]		979.1	
9	6760		650			5147		647		
	6110		650			4500		649		
	5460		1300			3851		1296		
	17330	[illegible]		1123.[illegible]		13498	[illegible]		1121.7	
		20.320					21.496			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 10:50-11:30 AM Rod No. 7 & 8

Name L.A. Co. Engineer Lic. 1/2
Job No. 4923
From BM 5-20 To [illegible]
Date 8-28-51
Indexed A. C. JOHNSON

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
10	7041 / 6.520 ✓		648	11232 ✓		4392 / 5.536 ✓		652	14219 ✓	
	6408		646			3740		658		
	5762		596 ✓			3082		505 ✓		
	19200 ✓	6.400 ✓		12528 ✓		11231 ✓	3.744 ✓		12522 ✓	
11	8[illegible]		650			3447		647		
	7792		650			3112		670		
	7142		600 ✓			2541		599 ✓		
	23516 ✓	7.837 ✓		13828 ✓		9100 ✓	3.128 ✓		13921 ✓	
12	2619		650			2211		649		BM 5-12 (USC&GS) (25 [illegible] 1578
	[illegible]		648			2162		650		SEE F.B. [illegible]
	[illegible]		597 ✓			1512		599 ✓		FOR DESCRIPTION
	[illegible] ✓	[illegible] ✓		15120 ✓	62	6485 ✓	[illegible] ✓		15120 ✓	
										SUMMATION OF [illegible] BM 5-20 TO BM [illegible]
										TOTAL BACK SIGHTS [illegible] 161[illegible] ✓
										" FORESIGHTS [illegible] ✓
										DIFF IN ELEVATION [illegible] ✓
		84.672 ✓					40.640 ✓			

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. 1024 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. [illegible] Weather CLOUDY Inst. No. 52010
Notes by S. [illegible] Time 1:00 Rod No. [illegible]

Name LA [illegible]
Job No. 4[illegible]
From BM 3-20 To [illegible]
Date 8-29-51
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	4079 3404 2728 10211	3.4[illegible]	675 676 1351	135.1	#7 60°	7726 [illegible] [illegible] 21176	7.059	667 [illegible] [illegible] [illegible]	130.5	BM 3-20 SEE F.B. 1-04-24 FOR DESCRIPTION
2	4330 3681 3031 11042	3.681	[illegible] 650 1299	265.0		7248 6594 5942 19784	6.595	654 [illegible] 1306	264.1	A G.E. DREIER
3	4170 3524 2877 10513	3.524	646 645 1291	394.1		6930 6285 5639 18854	6.285	645 646 1291	393.2	
4	[illegible] 3479 [illegible] 10438	3.479	652 651 1303	524.4		7052 6408 5762 19222	6.407	644 646 1290	522.2	
5	3872 3235 2597 9704	3.235	637 638 1275	651.9		6701 6040 5379 18120	6.040	661 661 [illegible]	654.4	
		17.323					32.386			

F.B. 1[illegible] 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 [illegible] Weather [illegible] Inst. No. [illegible]
Notes by S. [illegible] Time [illegible] Rod No. [illegible]

Name [illegible] Level Net
Job No. 4925
From BM 1-20 To BM 1-11
Date [illegible]
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	4723 4078 3232 12227	17325 ✓ 4076 ✓	647 646 1293 ✓	3214 ✓		5554 4900 4250 14704	[illegible] ✓	650 650 1300 ✓	1548 ✓	
7	5310 4663< 4017 13990	4665 ✓	647 646 1293 ✓	3188 ✓		5900 5250 4600 15184	[illegible] ✓	650 650 1300 ✓	3141 ✓	
8	5956 5301 4645 15604	5201 ✓	655 656 1311 ✓	1320 ✓		4122 3472 2822 10416	[illegible] ✓	650 650 1300 ✓	1326 ✓	
F.B. 1204 PG. 148 9	7139 6492 5846 19477	[illegible] ✓	647 646 1293 ✓	1713 ✓		4450 3811 3172 11433	[illegible] ✓	639 639 1278 ✓	1320 ✓	
10	6715 6063 5412 18190	[illegible] ✓	650 651 1301 ✓	1301.4 ✓		3524 2873 2221 8618	[illegible] ✓	651 651 1302 ✓	1302 ✓	
		45.815 ✓					45.584 ✓			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party E. E. Naumann Weather Cloudy Inst. No. 50010
Notes by S. Shinoda Time 1:00-2:00 P.M. Rod No. 7 & 8

Name L.A.Co. Pacific Avenue
Job No. 4923
From [illegible] To [illegible]
Date 8-29-51
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
11	[illegible]	3.818	649	[illegible]		[illegible]	3.794	645	[illegible]	
	[illegible]		650			3778	52	[illegible]		
	[illegible]		1299			[illegible]		[illegible]		
	[illegible]	6.5[illegible]		1[illegible]18		1331	3.77[illegible]		[illegible]	
12	6[illegible]45		645			3854		[illegible]		
	6098		647			3207		[illegible]		
	[illegible]		[illegible]			5560		[illegible]		
	12392	6.3[illegible]		16605		9622	3.[illegible]		15607	
13	[illegible]		648			4028		[illegible]		
	[illegible]		[illegible]			3379		[illegible]		
	[illegible]		97[illegible]			[illegible]		[illegible]		
	[illegible]	5.700		[illegible]		13136	3.37[illegible]		16408	
14	5902		[illegible]			5071		[illegible]		
	5258		647			4422		[illegible]		
	4611		[illegible]			[illegible]		[illegible]		
	15771	5.257		18193		[illegible]	[illegible]		18225	
15	5440		648			6117		651		
	4792		648			5468		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]376	[illegible]		19489		[illegible]405	[illegible]		19507	
		72.203					64.837			
							72.			

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. [illegible] Time [illegible] Rod No. 7 S B

Name [illegible] Level Net
Job No. 4923
From BM 3-20 To BM 1-11
Date 8-29-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
16	5274 4571 3867 13714	72.303 4571	703 702 1405	[illegible] 20894	66[illegible]	10310 96[illegible] [illegible] [illegible]	61.[illegible] [illegible]	[illegible] 685 1567	1950.7 [illegible]	BM 1-11 SEE F.B. [illegible] FOR DESCRIPTION
										SUMMATION OF RUN BM 3-20 TO BM 1-11
										TOTAL BACKSIGHTS + 76.774 " FORESIGHTS - 82.463 DIFF IN ELEVATION - 5.689
		76.774					82.463			

F.B. 204 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:10-3:10 PM Rod No. 7 E 3

Name [illegible] PRECISE [illegible]
Job No. 4923
From B.M. 1-11 To B.M. 3-20
Date 8-29-51
Indexed [illegible] C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	10244 9552 8860 28656	9.552	692 692 1384	138.4	#7 66°	5193 4498 3802 13493	4.498	695 696 1391	137.1	B.M. 1-11 SEE F.B. 1204-1 FOR DESCRIPTION
2	6070 5419 4768 16257	5.419	651 651 1302	268.6		5392 4746 4099 14237	4.746	646 647 1293	268.4	⊼ G.E. DRIVER
3	5049 4400 3751 13206	4.400	649 649 1298	398.4		5882 5236 4591 15709	5.236	646 645 1291	397.5	
4	4030 3382 2731 10143	3.381	648 651 1299	528.3		6350 5703 5058 17111	5.704	647 645 1292	526.7	
5	3873 3226 2578 9677	3.226	647 648 1295	657.8		6763 6118 5471 18352	6.117	645 647 1292	655.7	
		25.978					26.301			

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party [illegible] Weather CLOUDY Inst. No. 50010
Notes by S. SH[illegible] Time 2:10-3:10 P Rod No. 7 & 8

Name LA Co Precise Level Net
Job No. 4 [illegible]
From BM 1-11 To BM 3-26
Date 8-29-51
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	4460	25.978	650	657.8		7213	[illegible]	643	655.9	
	3810		651			6570		643		
	3159		1301			5927		1286		
	11429	3.810		7879		19710	6.570		7845	
7	3497		651			6681		650		
	2846		654			6031		651		
	2192		1305			5380		1301		
	8535	2.845		9184		18092	6.031		9146	
8	4440		640			7133		651		
	3800		640			6482		653		
	3160		1280			5829		1304		
	11400	3.800		10464		19444	6.481		10450	
9	3772		648			5630		650		
	3324		650			4980		650		
	2674		1298			4330		1300		
	9970	3323		11762		12940	4.980		11750	
10	5407		648			5011		648		
	4759		647			4363		649		
	4112		1295			3714		1297		
	14278	4.759		13057		13088	4.363		13047	
		44.515					54.726			

F.B. 1204 PG. 152

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 2:10-3:10 P.M. Rod No. 7 & 3

Name L.A.C. [illegible]
Job No. 4923
From [illegible] To [illegible]
Date 8-29-51
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.	5531	44.515	652	1305.7		4700	54.726	649	1304.7	
	4819		651			4051		649		
	4228		1303			3402		1298		
	14638	4.879		14360		12153	4.05		14345	
12.	6560		660			3732		636		
	5900		660			3096		638		
	5240		1320			2458		1274		
	17700	5.900		15680		9286	3.095		15619	
13.	6929		639			4020		659		
	6290		639			3361		659		
	5651		1278			2702		1318		
	18870	6.290		16958		10083	3.361		16937	
14	6633		642			3881		650		
	5991		642			3231		650		
	5342		1284			2581		1300		
	17973	5.991		18242		9693	3.231		18237	
15.	7212		652			4294		648		
	6560		652			3646		649		
	5908		1304			2997		1297		
	19680	6.560		19546		10937	3.646		19534	
		74.135					72.110			

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. KAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:10-3:[illegible] Rod No. [illegible]

Name [illegible]
Job No. 4963
From [illegible] To BM 3-20
Date 8-29-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
16	7217 6550 5882 19649	74.135 6.550	667 668 1335	1954.6 2088.1	66°	3578 2898 2218 8694	72.110 2.898	680 680 1360	1953.4 2089.4	BM 3-20 SEE F.B. 1204-4 FOR DESCRIPTION
										SUMMATION OF RUN BM 1-11 TO BM 3-20
										TOTAL BACKSIGHTS + 80.685 " FORESIGHTS - 75.008 DIFF. IN ELEVATION + 5.677
		80.685					75.008			

F.B. 1204 PG. 154

1

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.E. Nadrand
Notes by S. Shinoda
Weather CLEAR
Time 1130-1155 PM
Inst. No. 50010
Rod No. 7 & 8
Name LA Co. Proj. 5E4 vs. NE
Job No. 4925
From BM 1-4 To E 9 1-5
Date 9-18-51
Indexed R. C. Johnson 10-1-51

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4639		655		#7	5963		702		
	3974		657			6261		702		BM 1-4 (US 37?)
	3317		1812			5559		1704		SEE F.B. 1202-9
1.	11920	3973		1812	90°	18783	6261		140.4	FOR DESCRIPT. ON
	5811		659			5948		648		
	5152		659			5300		649		TX G.E. DREER
	4493		1318			4651		1297		
2	15456	5.152		2630		15899	5.300		2701	
	5745		668			5290		635		
	5277		669			4655		635		
	4608		1337			4020		1270		
3.	15830	5.277		3967		13965	4.655		3971	
	5787		649			4172		651		
	5138		648			3521		652		
	4491		-97			2869		1303		
4.	15416	5.139		5264		10562	3.521		5274	
	6010		644			4915		650		
	5364		646			4265		649		
	4718		-12			3616		1299		
5	16092	5.364		6556		12796	4.265		6573	
		24.905					24.002			

F.B. 1200 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. SHINOBA Time 1:30-1:55 Rod No. 7 & 8

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 1-4 To BM 1-5
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
	6332	24.905	651	655.6		5173	24.[illegible]	648	657.3	
	5681		652			4525		648		
	5029		1303			3877		1296		
6.	17042	5681		7859		13575	4[illegible]25		7869	
	4518		494			53[illegible]		498		
	4024		495			4821		498		
	3529		989			4323		996		
7.	12071	4024		8848		14463	4[illegible]21		8865	
	4794		125			3943		122		
	4669		124			3821		122		BM 1-5 (U.S. 2237)(P-51)
	4545		249			3699		244		SEE F.B. 1202-10
8.	14008	4669		9097	90°	11463	3[illegible]21		9109	FOR DESCRIPTION
										SUMMATION OF RUN BM 1-4 TO BM 1-5
										TOTAL BACKSIGHTS + 39.279
										" FORESIGHTS − 37.169
										DIFF. IN ELEVATION + 2.110
		39.279					37.169			

F.B. 1204 PG. 2158

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 2:30-3:30 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 1-5 To B 1-3-1
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
	4626		521		#7	3831		501		
	4105		519			3330		501		B.M. 1-5 (U.S. 2-37) [illegible]
	3584		1040 2			2829		1002 ✓		SEE F.B. 1205-[illegible]
1.	12315 ✓	4.105 ✓		104.0 2	94°	9990 ✓	3330 ✓		100.2 ✓	FOR DESCRIPTION
	5790		661			5917		678		
	5129		661			5239		678		⊼ G.E. DREIER
	4468		1322 ✓			4561		1356 ✓		
2.	15287 ✓	5.129 ✓		236.2 4		15717 ✓	5.237 ✓		235.8 ✓	
	5099		652			5956		639		
	4447		655			5317		640		
	3792		1307 ✓			4677		1279 ✓		
3.	13338 ✓	4.446 ✓		36.9 7.1		15950 ✓	5.317 ✓		363.7 ✓	
	2513		647			10014		658		
	1866		649			9356		657		
	1217		1296 ✓			8699		1315 ✓		
4.	5596 ✓	1.865 ✓		496.5 7		28069 ✓	9.356 ✓		495.2 ✓	
	2342		650			9793		650		
	1692		650			9143		651		
	1042		1300 ✓			8492		1301 ✓		
5.	5076 ✓	1.692 ✓		626.5 7		27428 ✓	9.143 ✓		625.3 ✓	
		17.237 ✓					32.385 ✓			

F.B. 1204 PG. 8150

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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. 52010
Notes by S. SHINODA Time 3:30-3:50 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4925
From B.M. 175 To BM 3-1
Date 7-18-51
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
	2673	17.237	650	6266		5767	5.315	651	6253	
	2023		650			5116		651		
	1373		1300			4465		1302		
6.	6069	2.023		7565		15348	5.116		7555	
	5771		650			3128		654		
	5119		651			2476		653		
	4468		1303			1823		1305		
7	15358	5.119		8868		7427	2.476		8860	
	11696		745			1648		634		
	10951		748			1014		631		
	10203		493			0383		1265		
8	32850	10.950		10364		3045	1.015		10125	
	9989		687			3744		822		
	9302		688			2922		821		
	8614		375			2101		1643		
9	27905	9.302		11738		8767	2.922		11768	
	6984		652			4403		649		
	6332		652			3754		648		
	5580		1304			3106		2297		
10.	18696	6.232		13042		11263	3.754		13065	
		50868					47268			

F.B. 1204 PG. 4160

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 2:30-3:30 PM Rod No. 7 & 0

Name L.A. Co PRECISE LEVELING
Job No. 4925
From B.M. 1-5 To 5 " 3-1
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
	6952	50.863	643	1304.2		5121	47.668	645	1306.5	
	6309		645			4476		647		
	5664		1288			3829		1292		
11	18925	6.328		1433.0		13426	4.475		14357	
	6977		655			5324		645		
	5722		654			4679		648		
	5068		1309			4031		1293		STOPPED [illegible]
12.	17167	5.722		15639	97°	14034	4.678		15650	
	6257		635			5649		645		
	5622		635			5004		644		
	4988		1270			4360		1289		STARTED 8:20 AM [illegible]
13	16866	5.622		16909	70°	15013	5.004		16739	
	5139		647			5607		657		
	4492		644			4952		655		
	3141		1291			4297		1312		
14	13479	4.493		18120.0		14858	4.953		18251	
	5997		657			5470		644		
	5340		659			4826		645		
	4681		1316			4181		1289		
15	16018	5.339		19516		14477	4.826		19540	
		78.347					71.604			

F.B. 1204 PG. 5161

FORM 379-SN 9-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50012
Notes by S. SHINOSA Time 8:20-9:55 Rod No. 7 & 8

Name LA Co PRECISE LEVEL NET
Job No. 4923
From BM 1-5 To BM 3-1
Date 7-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5889	78.347	646	1954.6		6158	71.604	644	1954.0	
	5243		644			5514		642		
	4599		1270			4872		1286		
16	15731	5.244		20806		16544	5.15		20826	
	5615		656			4200		650		
	4959		658			3550		650		SUMMATION OF RUN
	4301		1314			2900		1300		BM 1-5 TO BM 3-1
17.	14875	4.958		22118		10650	3.550		22126	
	7346		657			4155		643		TOTAL BACKSIGHTS + 101.367
	6689		658			3412		642		" FORESIGHTS − 89.285
	6001		1315			2770		1285		DIFF. IN ELEVATION + 12.082
18.	20066	6.689		23433		10237	3.412		23411	
	6560		431			5625		421		
	6129		432			5204		421		BM 3-1 (U.S. 3779)(M 778)
	5697		863			4783		842		SEE F.B. 1204-6
	18386	6.129		24296	72°	15612	5.204		24253	FOR DESCRIPTION
		101.367					89.285			

F.B. 1204 PG. 162

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:50 TO 11:10 AM Rod No. 7 & 8

Name L. A. Co. Pres. Levelnet
Job No. 4923
From B.M. 3-1 To B.M. 3-3
Date 5-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5651		328		89	5785		327		
	5822		325			5458		330		B.M. 3-1 (4 5 29 9.)
	5001		653			5128		657		SEE F.B. 1204
1	15.98	5.327		653	80°	16.37	5.457		657	FOR DESCRIPTION
										B.M. 3-2
										SEE F.B. 204
										FOR DESCRIPTION
	5778		657			5713		654		
	5.321		659			5.057		653		⊼ E. LANDA
	4.662		131.6			4.404		130.7		
2	15.96	5.320		196.9		15.178	5.059		196.4	
	6781		655			5924		656		
	5.510		649			5.268		658		
	4861		1300			4610		131.4		
3	16.532	5.511		326.9		15.802	5.267		327.8	
	3116		655			9002		655		
	2461		654			8.347		657		
	1807		1309			7.690		131.2		
4	7.384	2.461		457.8		25.039	8.346		459.0	
		18.619					24.129			

F.B. 1204 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 G.E. DREIER Time 9:50 AM TO 11:10 AM Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-1 To BM 3-2
Date 9-19-51
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
	4.042	18.619	655	457.8		[illegible]	[illegible]	[illegible]	459.0	
	3.387		656			4.298		657		
	2.731		131			3.638		131.4		
5	10.160	3.387		585.9		12.885	[illegible]		590.4	
	6.168		655			5.267		658		
	5.513		653			4.609		657		
	4.860		1308			3.952		131.5		
6	16.541	5.514		719.7		13.828	4.609		721.9	
	6.501		663			5.438		658		
	5.838		666			4.780		652		
	5.172		1329			4.128		131.0		
7	17.511	5.837		852.6		14.346	4.782		852.9	
	5.807		669			6.182		656		
	5.138		672			5.526		658		
	4.466		1341			4.868		131.4		
8	15.411	5.137		980.7		16.576	[illegible]		984.3	
	5.433		646			6.304		660		
	4.787		646			5.644		662		
	4.141		1292			4.982		1322		
9	14.361	4.787		1115.9		16.930	[illegible]		1116.5	
		43.251					48.983			

F.B. 1204 PG. 8164

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:50 TO 11:10 A.M. Rod No. 7 & 8

Name L.A. Co Precise Level Ist
Job No. 4923
From B.M. 3-1 To B.M. 3-3
Date 9-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5237	43.281	659	115.9		5918	48.983	659	1116.5	
	4578		658			5259		658		
	3920		131.7			4601		131.7		
10	13735	4578		12471		15778	5259		12482	
	5391		654			6011		650		SUMMATION OF RUN
	4737		656			5361		651		B.M. 3-1 TO B.M. 3-3
	4081		131.0			4710		130.1		
11	14209	4736		13786		16092	5364		13783	
	5560		661			5631		647		TOTAL BACKSIGHTS + 62.423
	4899		660			4984		647		TOTAL FORESIGHTS + 71.227
	4239		132.1			4337		129.4		DIFF. IN ELEVATION + 8.804
12	14698	4899		15107		14952	4984		15077	
	5160		232			6891		251		B.M. 3-3 (45 4000 [illegible])
	4928		230			6640		252		SEE F.B. 1204-[illegible]
	4698		462			6388		503		FOR DESCRIPTION
13	14786	4929		15569	85°	19919	6640		15580	

62.423 ✓ ~~71.230~~ 71.227 ✓

F.B. 1204 PG. 2165

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

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

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 204 PG. 166										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE[illegible] NET
Job No. 4923
From BM 3-3 To B.M. 3-5
Date 9-19-51
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5790		761		#7	8439		791		
	5.029		762			7648		794		B.M. 3-3 (US 4000) [illegible]
	4267		152.3			6854		158.5		SEE F.B. 1204-7
1	15.086	5.029		152.3	85°	22941	7.647		158.5	
										B.M. 3-4, (U.S. 4001) (ARTESIAL-[illegible]) SEE F.B. 1204-8 FOR DESCRIPTION
	3.272		642			10.310		662		
	2.630		642			9.648		666		π E. LANDS
	1.988		128.4			8.982		132.8		
2	7.890	2630		280.7		28940	9.647		2913	
	2287		675			7351		631		
	1.612		673			6720		631		
	0.939		134.8			6089		1262		
3	4.838	1.613		415.5		20.160	6.720		4175	
	6325		652			6281		646		
	5.673		650			5.635		647		
	5023		1302			4.988		129.3		
4	17.021	5.674		545.7		16904	5.635		5468	
		14.946					29.649			

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-3 To B.M. 3-5
Date 9-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6681	14.946	649	545.7		6173	29.649	653	546.8	
	6032		656			5540		656		SUMMATION OF RUN
	5382		129.9			4884		130.9		B.M. 3-3 TO B.M. 3-5
5	18.095	6.032		675.6		16.617	5.539		677.7	
	6523		655			5919		649		TOTAL BACKSIGHTS + 38.955
	5868		657			5270		648		TOTAL FORESIGHTS - 50.125
	5211		131.2			4622		129.7		DIFF IN ELEVATION - 11.170
6	17.602	5.867		806.8		15.811	5.270		807.4	
	7481		481			4633		467		
	7000		481			4168		467		
	6519		962			3701		93.2		
7	21.000	7.000		903.0		12.502	4.167		900.0	
	5595		485			5969		469		B.M. 3-5 (U.S. 4002) (5778)
	5110		484			5500		469		SEE F.B. 1204-9
	4626		969			5031		938		FOR DESCRIPTION
8	15.331	5.110		999.9	92°	16.500	5.500		994.4	
		38.955					50.125			

F.B. 1204 PG. #168

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:00 To 3:00 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-5 To B.M. 3-6
Date 9-19-51
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
	5787		609		#7	8040		684		B.M. 3-5 U.S. 4002 [illegible]
	5178		609			7356		683		SEE F.B. 1204-9
	4569		121.8			6673		136.7		FOR DESCRIPTION
1	15534	5.178		121.8	90°	22069	7.356		136.7	
	4343		676			6071		619		
	3667		678			5452		620		K E LANDA
	2989		135.4			4832		123.9		
2	10999	3.666		257.2		16355	5.452		260.6	
	6447		658			5291		650		
	5789		659			4641		651		
	5130		131.7			3990		130.1		
3	17366	5.789		388.9		13922	4.641		390.7	
	7935		639			6379		648		
	7299		639			5731		649		
	6660		127.8			5082		129.7		
4	21897	7.299		516.7		17192	5.731		520.4	
	6914		660			4678		638		
	6254		661			4040		638		
	5593		132.1			3402		127.6		
5	18761	6.254		648.8		12120	4.040		648.0	
		28186					27220			

F.B. 1204 PG. 165

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.E. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:00 - 3:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-5 To B.M. 3-6
Date 9-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6399	28.186	649	648.8		4793	27.220	651	648.0	
	5,750		640			4142		653		
	5101		129.8			3489		130.4		
6	17250	5,750		778.6		12424	4,141		778.4	
	6601		651			[illegible]		649		
	5950		650			4,491		646		
	5300		130.1			3845		129.5		
7	17851	5950		908.7		13476	4,492		907.9	
	6651		649			4847		652		
	6,002		651			4,195		652		
	5351		130.0			3543		130.4		
8	18004	6,001		1038.7		12585	4,195		1038.3	
	7198		650			2686		649		
	6548		650			2,037		651		
	5898		130.0			1,386		130.0		
9	19644	6548		1168.7		6109	2036		1168.3	
	8899		651			2732		647		
	8,248		650			2,085		645		
	7598		130.1			1,440		129.2		
10	24745	8248		1298.8		6257	2086		1297.5	
		60.683					44170			

F.B. 1204 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 G. E. DREYER Time 1:00 ~ 3:00 PM Rod No. 7-8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-5 To B.M. 3-6
Date 7-19-51
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
	6100	60.683	680	1298.8		5058	44.170	638	1297.5	
	5420		679			4420		638		
	4741		135.9			3782		127.6		
11	16.261	5.420		1434.7		13.260	4.420		1425.1	
	5347		479			5960		518		
	4868		479			5.442		516		
	4389		95.8			4.926		103.4		
12	14.604	4.868		1530.5		16.328	5.443		1528.5	
	6071		492			4500		490		B.M. 3-6 (U.S. 4003) [illegible]78)
	5.579		496			4010		489		SEE F.B. 1204
	5.083		988			3521		979		FOR DESCRIPTION
13	16.733	5.578		1629.3	93°	12.031	4.010		1626.4	
										SUMMATION OF [illegible] B.M. 3-5 TO B.M. 3-6
										TOTAL BACKSIGHTS 7[illegible].549
										TOTAL FORESIGHTS [illegible].043
										DIFF IN ELEVATION + [illegible].506
		76.549					58.043			

F.B. 1204 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. 1204 PG. 172										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 5090
Notes by S. SHINODA Time 3:20 - 4:00 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEV. [illegible]
Job No. 4923
From BM 3-6 To 3 3-7
Date 7-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5079		637		#7	3177		649		
	4442		635			2528		647		BM 3-6 (US 4003) (2778)
	3807		1272			1881		1296		SEE F.B. 1204-1
1.	13328	4.443		127.2	93°	7586	2.529		129.6	FOR DESCRIPTION
	7090		649			4617		652		
	6441		650			3965		654		⊼ G.E. DREIER
	5791		1299			3311		1306		
2	19322	6.441		257.1		11893	3.964		260.2	
	6853		646			4775		647		
	6207		648			4128		646		
	5559		1294			3482		1293		
3	18619	6.206		386.5		12385	4.128		389.5	
	6496		653			4828		645		
	5843		652			4183		648		
	5191		1305			3535		1293		
4	17530	5.843		517.0		12546	4.182		518.8	
	6812		651			4260		649		
	6161		651			3611		649		
	5510		1302			2962		1298		
5.	18483	6.161		647.2		10833	3.611		648.6	
		29.094					18.414			

F.B. 1204 PG. 12 17

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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 3:20-4:00 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-6 To BM 3-7
Date 9-19-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7272	29.094	646	6472		4352	18.174	646	648.6	
	6626		647			3706		647		STOPPED 3:45 PM 9-19-51
	5979		293			3057		293		
6.	19877	6.626		7765	92°	11117	3.706		7779	
	7301		650			4350		648		
	6651		647			3702		645		BEGAN 8:50 AM 9-20-51
	6002		299			3041		293		
7	19954	6.651		9064	91°	11099	3.703		9072	
	7119		648			4742		662		
	6471		647			4080		661		
	5822		177			3419		323		
8	19412	6.471		10361		12241	4.080		10395	
	7179		643			4311		651		
	6530		645			3660		652		
	5885		1288			3008		303		
9.	19598	6.529		11649		11979	3.660		11698	
	7319		659			3402		638		
	6660		658			2764		636		
	6002		317			2128		274		
10.	19981	6.660		12966		8294	2.765		12972	
		62.081					36.918			

F.B. 1204 PG. 48/174

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 8:30-9:10 AM Rod No. 7 5 5

Name L A Co Engineering Dept
Job No. 4923
From B.M. 3-6 To B.M. 3-7
Date 9-20-51
Indexed H. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8697	62.031	650	1296.6		3059	36.318	648	1297.2	
	8047		651			2411		650		
	7396		1301			1761		298		
11	24140	8.047		1426.7		7231	2.410		1427.0	
	7712		644			5052		649		
	7068		646			4403		646		
	6422		1290			3757		1295		
12	21202	7.067		1556.7		12212	4.404		1556.5	
	7071		649			4448		651		
	6422		649			3797		653		SUMMATION OF [illegible]
	5773		1298			3144		1304		BM 3-6 TO BM 3-7
13	11266	6.422		1685.5		11389	3.796		1686.9	
	7494		646			4651		649		
	6848		648			4002		650		TOTAL BACKSIGHTS + [illegible] 3.5
	6200		1294			3352		1299		FORESIGHTS − 5[illegible] 78.1
14	20542	6.847		1814.9		12005	4.002		1816.8	DIFF IN ELEVATION + [illegible] 1.452
	6124		302			1153		299		
	5822		302			0854		299		B.M. 3-7 (U.S. 2750) ([illegible] 97)
	5520		604			0555		598		SEE F.B. 1094 [illegible]
15	17466	[illegible]		1875.3	78[illegible]	2562	0.854		1876.6	FOR DESCRIPTION [illegible]
		96.236					51.784			

F.B. 1200 PG. 2-17

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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. 1204 PG. 176										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9:10 AM TO 10:00 Rod No. 758

Name LA. CO. PRECISE LEVEL NET
Job No. 4923
From BM 3-7 To 3-[illegible]
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.612		467		57	4832		449		BM 3-7 [illegible] 497
	1.145		467			4.383		449		SEE [illegible]
	0.678		934			3.934		89.8		FOR DESCRIPTION
1	3.435	1.145		93.4	78°	13.149	4.383		89.8	
	6.977		649			4.258		652		
	6.328		649			3.606		652		* H.F. NAUMANN
	5.679		1298			2.954		1304		
2	8.984	6.328		223.2		10.818	3.606		220.2	
	7.403		645			4.243		650		
	6.758		649			3.593		650		
	6.109		1294			2.943		1300		
3	20.270	6.757		352.6		10.779	3.593		350.2	
	7.338		651			4.467		646		
	6.687		647			3.821		648		
	6.040		1298			3.173		1294		
4	20.065	6.688		482.4		11.461	3.820		479.6	
	7.802		649			3.206		650		
	7.153		645			2.556		650		
	6.508		1294			1.906		1300		
5	21.463	7.154		611.8		7.668	2.556		609.6	
		28.072					17.958			

F.B. 1700 PG. 2177

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9:10 TO 12:[illegible] Rod No. 7ES

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-7 To BM 3-8
Date 5-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8.640	28.072	645	611.8		2.460	[illegible]	651	609.6	
	7.995		645			1.809		648		
	7.350		129.0			1.161		129.9		
6	23.985	7.995		740.8		5.430	[illegible]		739.5	
	8.619		496			1.906		499		
	8.123		499			1.407		499		
	7.624		99.5			0.908		99.8		
7	24.366	8.122		840.3		4.221	1.407		839.3	
	8.913		495			1.734		497		
	8.418		495			1.237		499		
	7.923		99.0			0.738		99.6		
8	25.254	8.418		939.3		3.709	[illegible]		938.9	
	9.035		495			2.578		496		
	8.540		497			2.082		496		
	8.043		99.2			1.586		99.2		
9	25.618	8.539		1038.5		6.246	2.082		1038.1	
	8.940		653			3.238		648		
	8.287		651			2.590		648		
	7.636		130.4			1.942		129.6		
10	24.863	8.288		1168.9		7.770	2.590		1167.7	
		69.434					[illegible]			

F.B. 1704 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. [illegible] Weather CLEAR Inst. No. 50010
Notes by G. E. DREIEX Time 9:10 TO 10:00 Rod No. 7 & 8

Name L.A. Co PRECISE LE[illegible] NET
Job No. 4920
From BM 3-7 To [illegible] 3-8
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8339	69.434	597	1168.9		4372	27.083	604	1167.7	
	7742		597			3768		602		B.M. 3-8 (LA [illegible] C-12A)
	7145		119.4			3166		120.6		SEE F.B. 1204 [illegible]
11	23226	7.742		1288.3	80°	11.306	3.769		1288.3	FOR DESCRIPTION
										SUMMATION [illegible]
										B.M. 3-7 TO B.M. 3-8
										TOTAL BACKSIGHT [illegible]
										TOTAL FORESIGHTS [illegible]
										DIFF. IN ELEVATION + [illegible]
		77.176					30.852			

F.B. 1201 PG. 23179

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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. 1204 PG. 24 180

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:00 TO 10:20 Rod No. 75 S

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-8 To B.M. 3-9
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8556		654		#7	5027		651		B.M. 3-8 (LA HABRA [illegible])
	7.902		652			4.376		653		SEE F.B. 1204
	7.250		1306			3723		1304		FOR DESCRIPTION
1	23.708	7.903		130.6	80°	13.126	4.375		130.4	
	5.595		652			7907		653		* H.F. NAUMANN
	4.943		653			7.254		652		
	4290		1305			6602		1305		SUMMATION OF ROD
2	14828	4.943		261.1		21.763	7.254		260.9	BM 3-8 TO B.M. 3-9
	3.463		491			8853		499		TOTAL BACKSIGHTS + 7.804
	2.972		492			8.354		501		TOTAL FORESIGHTS - 9.547
	2480		983			7853		1000		DIFF IN ELEVATION 11.743
3	8.915	2.972		3594		25.060	8.353		360.9	
	2453		466			10028		463		B.M. 3-9 (USGS [illegible])
	1.987		468			9.565		464		SEE F.B. 1204 [illegible]
	1519		934			9.101		927		FOR DESCRIPTION
4	5.959	1.986		452.8		28.694	9565		453.6	
5					82°					
		17.804					29.547			

F.B. 1204 PG. 28181

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED 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. 59010
Notes by G. E. DREIER Time 16:00 TO Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 3-8 To BM 3-9
Date 7-20-51
Indexed

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 204 PG. 182										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, 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.E. DREIER Time 10:20 TO 10:50 Rod No. 788

Name L.A. CO PRECISE EVE. NET
Job No. 4923
From BM 3-9 To B 73-10
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5443		641		#7	6244		655		
	4802		642			5594		651		B.M 3-9 (US 4604) (M 773)
	4160		128.3			4943		130.1		SEE F.B. 1204
1	14405	4802		128.3	82°	6778	5594		130.1	FOR DESCRIPTION
	6019		648			5636		652		TO H.F. NAUMANN
	5371		649			4984		649		
	4722		129.7			4335		130		
2	16112	5371		258.0		14953	4985		260.2	
	6246		652			4662		645		
	5594		652			4017		648		
	4942		130.4			3369		129.3		
3	16782	5594		388.4		12048	4016		389.5	
	7756		495			2087		499		
	7261		496			1588		499		
	6765		99.1			1089		99.8		
4	21782	7261		487.5		4764	1588		489.3	
	9187		500			1606		580		
	8687		501			1026		580		
	8186		100.1			0446		116.0		
5	26060	8687		587.6		3078	1026		605.3	
		31715					17209			

F.B. 1204 PG. 22 1/2

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:20 TO 10:50 Rod No. 788

Name LA Co PRECISE LEVEL NET
Job No. 4923
From B.M. 3-9 To B.M. 3-10
Date 9-20-51
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8608	31.715	746	6836		8163	17.209	454	6053	
	7.862		748			7.709		455		B.M. 3-10 (LA HABRA C-12)
	7.114		149.4			7.254		909		SEE F.B. 1204-14
6	23.584	7.861		737.0	88°	23.126	7.209		6962	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 3-9 TO B.M. 3-10
										TOTAL BACKSIGHTS + 39.576
										" FORESIGHTS − 24.918
										DIFF. IN ELEVATION + 14.658
		39.576					24.918			

F.B. 1204 PG. ~~25~~ 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 G.E. DREIER Time 10:50 TO 11:30 Rod No. 788

Name L.A.Co. PRECISE SUR. NET
Job No. 4923
From BM 3-10 To BM 3-11
Date 9-20-51
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3.875		649		#7	8617		660		BM. 3-10 (LA HAB & C-12)
	3226		650			7.957		659		SEE F.B. 1204-11
	2576		129.9			7298		131.9		FOR DESCRIPTION
1	9.677	3.226		129.9	85°	23.872	7.957		131.9	
	4754		655			5842		644		
	4.099		652			5.198		645		* H.F. NAUMANN
	3.447		130.7			4553		128.9		
2	12.300	4.100		260.6		15.593	5.198		260.8	
	5587		645			5828		647		
	4.942		644			5.181		648		
	4298		128.9			4533		129.5		
3	14.827	4.942		389.5		15.542	5.181		390.3	
	5318		651			5599		651		
	4667		648			4948		647		
	4019		129.9			4301		129.8		
4	14.004	4.668		519.4		14.848	4.949		520.1	
	5997		651			5923		651		
	5.346		652			5272		652		
	4694		130.3			4620		130.3		
5	16.037	5.346		649.7		15.815	5.272		650.4	
		22.282					28.557			

F.B. 1204 PG. 25 185

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. NAH' Weather CLEAR Inst. No. 50010
Notes by Time 10:50 TO 11:30 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-10 To B.M. 3-11
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5653	22.282	565	649.7		5032	23.557	560	650.4	
	5088		566			4472		561		B.M. 3-11 (US 4005) (N 779)
	4522		1131			3911		1121		F.B 1204-15
6	15263	5.088		762.8	88°	13415	4.472		762.5	
										SUMMATION OF RUN
										BM. 3-10 TO B.M 3-11
F.B. 1204 PG. 30 186										TOTAL BACKSIGHTS + 27.370
										" FORESIGHTS - 33.029
										DIFF. IN ELEVATION - 5.659
		27370					33.029			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO 12:00 Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-11 To B.M. 3-12
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6,681		658		#7	6108		655		B.M. 3-11 US4005 N779
	6,023		656			5,453		656		SEE F.B. 1204 15
	5367		131.4			4797		131.1		FOR DESCRIPTION
1	18,071	6,024		131.4	88°	16,358	5,453		131.1	
	6291		650			5316		654		
	5641		653			4,662		656		⊼ H.F. NAUMANN
	4988		1303			4,006		131.0		
2	16920	5,640		261.7		13,984	4,661		262.1	
	6718		661			4905		650		
	6,057		664			4,255		651		
	5393		1325			3604		1301		
3	18168	6,056		394.2		12,764	4,255		392.2	
	6343		650			5242		658		
	5693		650			4584		656		
	5043		1300			3928		131.4		
4	17079	5,693		524.2		13,754	4,585		523.6	
	6406		651			5178		656		
	5,755		651			4,522		657		
	5104		1302			3865		131.3		HOUR OUT FOR [illegible]
5	17,265	5755		654.4	88°	13,565	4,522		654.9	
		29,168					23,476			

F.B. 1204 PG. 31/87

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAHMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DRRIER Time 1:00 To 13 Rod No. 7 F 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-11 To B.M. 3-12
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.402	29.168	.656	654.4		5.002	[illegible]	.650	654.9	
	5.746		.656			4.352		.651		
	5.090		131.2			3.701		130.1		
6	17.238	5.746		785.6		13.055	4.352		785.0	
	6.532		.652			5.142		.655		
	5.880		.654			4.487		.655		
	5.226		1306			3.832		131.9		
7	17.638	5.879		916.2		13.461	4.487		916.0	
	6.432		.653			5.094		.650		
	5.779		.655			4.444		[illegible]		
	5.124		1308			3.794		1300		
X 8	17.335	5.778		1047.0		13.432	[illegible]		1046.0	
	6.436		.653			5.14[illegible]		.645		
	5.783		.653			4.496		.646		
	5.130		130.6			3.850		129.1		
9	17.349	5.783		1177.6		13.487	4.496		1175.1	
	6.521		.655			4.993		.6[illegible]		
	5.866		.659			4.334		.660		
	5.207		131.4			3.674		131.9		
10	17.594	5.865		1309.0		13.001	4.334		1307.0	
		58.219					45.589			

F.B. 1204 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 G. E. DREIER Time 1:00 TO 1:35 Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-11 To B.M. 3-12
Date 9-20-51 A. C. Johnson
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6228	58219	489	1309.0		4787	45.589	499	1307.0	
	5739		487			4288		498		
	5252		976			3790		997		
11	17219	5.740		1406.6		12865	4288		1406.7	
	6158		499			6454		501		B.M. 3-12 LA HAB [illegible]
	5659		498			5953		501		SEE F.B. 1204 16
	5161		997			5452		1002		FOR DESCRIPTION
12	16978	5659		1506.3	90°	17859	5.953		1506.9	
										SUMMATION of RUN B.M. 3-11 TO B.M. 3-12
										TOTAL BACKSIGHTS 69.608
										FORESIGHTS 55.830
										DIFF IN ELEVATION + 3.778
										3.778
		69.608					55.830			
		69.618								

F.B. 1204 PG. 37189

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED 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 CLE Inst. No. 50910
Notes by G.E. DREIER Time 1:00 P.M. Rod No. 788

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. To B.M.
Date
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. 1204 PG. 190 ~~191~~

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:45-2:50 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELN.
Job No. 4923
From B.M. 3-12 To B. 3-13
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7696		625		#7	4972		615		B.M 3-12 (LA HABRA [illegible])
	7071		624			4357		615		SEE F.B. 1204-[illegible]
	6447		1249			3742		1230		FOR DESCRIPTION
1	21214	7.071		124.9	90°	13071	4357		123.0	
	8065		648			4454		646		
	7417		649			3808		646		⊼ G.E. DRAIN
	6768		1297			3162		1292		
2	22250	7.417		2546		11424	3808		2522	
	7947		649			3740		657		
	7298		649			3083		656		
	6649		1298			2427		1313		
3	21894	7.298		3844		9250	3.083		3835	
	10221		646			1857		658		
	9574		645			1199		657		
	8929		1292			0540		1317		
4	28724	9.575		5138		3596	1.199		5152	
	9739		440			1286		449		
	9299		440			0837		449		
	8859		880			0388		898		
5	27897	9.299		6016		2511	0.837		6050	
		40.660					13.284			

F.B. 1204 PG. 3F 191

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:45-2:50 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-12 To B.M. 3-13
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	10249	40.660	396	601.~~8~~ 6		1336	13.284	396	605.0	
	9853		396			0940		398		
	9451		792			0542		794		
6.	29559	9.853		680~~8~~ 8		2818	0.939		6844	
	10183		394			1498		395		
	9789		394			1103		396		
	9395		788			0707		791		
7.	29367	9.789		759~~5~~ 6		3308	1.103		7635	
	10300		397			1322		395		
	9903		396			0927		396		
	9507		793			0531		791		
8	29710	9.903		838~~8~~ 9		2780	0.927		8426	
	10022		399			1470		392		
	9623		399			1078		393		
	9224		798			0685		785		
9.	28869	9.623		918~~6~~ 7		3233	1.078		9211	
	9807		394			2367		398		
	9413		392			1969		400		
	9021		786			1569		798		
10.	28241	9.414		997~~2~~ 3		5905	1.968		10009	
		89.242					19.219			

F.B. 1704 PG. ~~36~~ 192

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:45-2:50 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NE
Job No. 4923
From BM 3-12 To BM 3-13
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	9320	89.242	497	997.3		3043	19.299	500	1000.9	
	8823		496			2543		500		
	8327		993			2043		1000		
11	26470	8.823		10965		7629	2.543		1100.9	
	8075		648			5142		649		
	7427		648			4493		648		
	6779		1296			3845		1297		
12.	22281	7.427		12267		13480	4.493		12306	
	5479		462			6683		455		
	5017		461			6228		457		B.M 3-13
	4556		923			5771		912		SEE F.B. 1204
13	15052	5.017		13184		18682	6.227		13218	FOR DESCRIPTION
	3961		457			8871		453		
	3504		456			8418		455		SUMMATION OF [illegible]
	3048		913			7963		908		B.M 3-12 TO BM 3-13
14.	10513	3.504		14097	94°	25252	8.417		14126	
										TOTAL BACKSIGHTS + 114.013
										" FORESIGHTS - 40.979
										DIFF. IN ELEVATION + 73.034
		114.013					40.979			

F.B. 1204 PG. 32 10R

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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. 1204 PG. 29 194

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 2:50-3:45 PM Rod No. 7 & 8

Name L.A. Co. Precise Level Net
Job No. 4923
From BM 3-13 To BM 3-14
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3846		398		#1	8978		399		
	3448		399			8579		400		BM 3-13
	3047		797			8179		799		SEE F.B. 1204 17
1	10343	3.448		79.7	94°	25736	8.579		79.9	FOR DESCRIPTION
	1781		408			9097		392		
	1373		405			8707		394		π GE DREIER
	0968		813			8313		786		
2	4122	1.374		161.0		26119	8.706		158.5	
	1981		394			9728		406		
	1587		394			9322		406		
	1193		788			8916		812		
3	4761	1.587		239.8		27966	9322		239.7	
	2822		399			6836		397		
	2423		397			6439		398		
	2026		796			6041		795		
4	7271	2.424		319.4		19316	6.439		319.2	
	5878		507			4517		493		
	5371		508			4024		492		
	4863		1015			3532		985		
5	16112	5.371		420.9		12073	4.024		417.7	
		14204					37.070			

F.B. 1204 PG. 39 195

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:50-3:45 PM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 3-13 To B.M. 3-14
Date 9-20-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8932	14.204	450	420.7		2253	37.070	445	417.7	
	8482		450			1808		445		
	8032		900			1363		890		
6.	25446	8.482		5109		5424	1.808		5067	
	9122		398			2486		398		
	8724		398			2088		399		
	8326		796			1689		797		
7	26172	8.724		5905		6263	2.088		5864	
	9044		394			2420		396		
	8650		393			2024		396		
	8257		787			1628		792		
8.	25951	8.650		6692		6072	2.024		6656	
	9138		396			2259		399		
	8742		396			1860		398		
	8346		792			1462		797		
9.	26226	8.742		7484		5581	1.860		7453	
	9195		397			2946		395		
	8798		398			2551		396		
	8400		795			2155		791		
10.	26393	8.798		8279		7652	2.551		8244	
		57.600					47.401			

F.B. 1204 PG. 196

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. PRECISE LEVEL NET
Job No. 49-3
From BM 3-13 To BM 3-14
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8333	57.600	392	827.9		3794	47.401	401	824.4	
	7941		394			3393		401		
	7547		786			2992		802		
11.	23821	7.940		9065		10179	3.373		9046	
	8122		648			4516		648		
	7474		650			3868		649		STOPPED 3:45 PM 9-20-51
	6824		1298			3219		1297		
12.	22420	7.473		10363	93°	11603	3.868		10343	
	5699		649			6283		648		BEGAN 8:15 AM 9-21-51
	5050		650			5635		649		
	4400		1299			4986		1297		SUMMATION OF R
13	15149	5.050		11662	73°	16904	5.635		11640	BM 3-13 TO BM 3-14
	4779		481			5749		480		
	4298		483			5269		480		TOTAL BACKSIGHTS + 86.935
	3815		964			4189		960		" FORESIGHTS - 72.042
14	12892	4.297		12626		15807	5.269		12600	DIFF. IN ELEVATION + 14.893
	5051		476			6963		486		
	4575		475			6477		488		BM 3-14
	4100		951			5989		974		SEE F.B. 1204-18
15	13726	4.575		13577	74°	19429	6.476		13574	FOR DESCRIPTION
		86.935					72.042			

F.B. 1204 PG. 41197

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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. 1204 PG. 198 42

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Name L. A. Co. PRECISE LEVELING
Job No. 4923
From BM 3-14 To B 3-15
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8991		495		#7	4772		504		
	8496		496			4267		506		B.M. 3-14
	8000		991			3761		1010		SEE F.B. 1204
1.	25487	8.496		99.1	74°	12799	4.266		101.0	FOR DESCRIPTION
	2141		898			10552		902		
	1243		896			9650		903		⊼ G. E. DREIER
	0347		1794			8747		1805		
2	3731	1.244		278.5		28949	9.650		281.5	
	1812		762			8822		839		
	1050		762			7983		839		
	0288		1524			7144		1678		
3	3150	1.050		430.9		23949	7.983		449.3	
	8773		828			6173		766		
	7945		830			5407		767		
	7115		1658			4640		1533		
4	23833	7.944		596.7		16220	5.407		602.6	
	1926		800			10737		794		
	1126		801			9943		793		
	0325		1601			9150		1587		
5.	3377	1.126		756.8		29830	9.943		761.3	
		19.860					37.249			

F.B. 1204 PG. 22 190

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co PRECISE LEVEL NET
Job No. 4923
From BM 3-14 To BM 3-15
Date 9-21-51
Indexed A. C. JOHNSON

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2429	19.860	349	756.8		10559	37.247	347	761.3	
	2080		349			10212		346		
	1731		618			9866		693		
6	6240	3.080		8266		30637	10.212		8306	
	9155		1024			8319		1025		
	8131		1024			7293		1026		
	7107		2048			6267		2051		
7	24393	8131		10314		21878	7293		10357	
	0977		346			11438		340		
	0531		346			11098		342		
	0185		692			10756		682		
8	1593	0.531		11006		33292	11097		11039	
	1401		248			9136		243		
	1153		247			8893		242		
	0906		495			8651		485		
9	3460	1.153		1150.4		26680	8.893		1152.4	
	7918		499			0919		348		
	7419		500			0571		348		
	6919		999			0223		696		
10	22256	7.419		12500		1713	0.571		12220	
		39.174					75.915			

F.B. 204 PG. 200

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L.A. Co. Pre[illegible]
Job No. 4923
From BM 3-14 To B[illegible] 3-15
Date 7-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	10411	39.174	422	12500		6305	75.315	552	12220	
	9989		424			5753		553		BM 3-15
	9565		846			5200		1105		SEE F.B. 1203-19
11.	29965	9.988		13346	80°	17258	5.753		13325	FOR DESCRIPTION
										SUMMATION OF [illegible] BM 3-14 TO B[illegible] 3-1[illegible]
										TOTAL BACKSIGHTS + [illegible]
										" FORESIGHTS - [illegible]
										DIFF IN ELEVATION - 31.906
		49.162					81.068			

F.B. 1204 PG. 25 [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. 1204 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. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINOOA Time 9:30-10:30 AM Rod No. 7 & 8

Name L.A. Co. Precise [illegible]
Job No. 4923
From BM 3-15 To 3-16
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2837		245		#7	10932		243		
	2594		244			10689		246		BM 3-15
	2350		489			10443		489		SEE F.B. 1204-19
1.	7783	2.594		48.9	80°	32064	10.688		48.9	FOR DESCRIPTION
	0902		235			10931		253		
	0667		236			10678		254		⊼ G.E. DRIVER
	0431		471			10424		507		
2	2000	0.667		96.0		32033	10.678		99.6	
	2309		509			2188		488		
	1800		509			1700		489		
	1291		1018			1211		977		
3	5400	1.800		197.8		5099	1.700		197.3	
	9056		248			251		245		
	8808		248			2266		246		
	8560		496			2020		491		
4	26424	8.808		247.4		6797	2.266		246.4	
	9813		345			2583		347		
	9468		348			2236		348		
	9120		693			1888		695		
5.	28401	9.467		316.7		6707	2.236		315.9	
		23.336					27.568			

F.B. 1204 PG. 49-[illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:30-10:30 Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 3-15 To BM 3-16
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6539	23336	740	316.7		11105	27568	759	315.9	
	5799		740			10346		759		
	5059		1480			9587		1518		
6	17397	5.799		4647		31038	10346		4677	
	4015		795			7134		1003		
	3220		793			6131		1004		
	2427		1588			5127		2007		
7	9662	3221		6235		18392	6.131		6684	
	8227		568			2453		426		
	7659		567			2027		427		
	7092		1135			1600		853		
8	22978	7.659		7370		6080	2.027		7537	
	9790		687			5626		614		
	9103		685			5012		611		
	8418		1372			4401		1225		
9	27311	9.104		8742		15039	5.013		8762	
	4583		648			4814		646		
	3935		647			4168		647		
	3288		1295			3521		1293		
10	11806	3.935		10037		12503	4.168		10055	
		53.054					55.253			

F.B. 204 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 9:30-10:30 AM Rod No. 7 & 8

Name L.A. Co Precise Level Nt
Job No. 4923
From BM 3-15 To B 3-16
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7511	53.054	653	1003.7		5789	55.253	649	1005.5	
	6858		655			5140		649		
	6203		1308			4491		1298		
11.	20572	6.857		1134.5		15420	5.140		1135.3	
	6109		652			5900		650		
	5457		655			5250		652		SUMMATION OF [illegible]
	4802		1307			4598		1302		BM 3-15 TO B[illegible]
12.	16368	5.456		1265.2		15748	5.249		1265.5	
	5918		625			6243		692		
	5363		623			5551		692		TOTAL BACKSIGHTS + 74.898
	4740		1248			4859		1384		" FORESIGHTS - 77.934
13.	16091	5.364		1390.0		16653	5.551		1403.9	DIFF IN ELEVATION - 3.036
	4860		692			7368		627		
	4168		694			6741		627		BM 3-16
	3474		1386			6114		1254		SEE F.B. 1204-[illegible]
14	12502	4.167		1528.6	88°	20223	6.741		1529.3	FOR DESCRIPTION
		74.898					77.934			

F.B. 1204 PG. 44 205

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 ..... 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. 204 PG. 206										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:15-2:00 P.M. Rod No. 7 & 8

Name L.A. CO. PRECISE L[illegible] NET
Job No. 4923
From BM 3-8 To BM 3-9
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4399		603		#7	8362		596		
	3796		604			7766		598		BM 3-8 (LA HABRA C-2A)
	3192		1207			7168		1194		SEE F.B. 1204-12
1	11387	3796		120.7	90°	23296	7.765		119.4	FOR DESCRIPTION
	3299		650			8992		650		
	2647		651			8342		651		T. G.E. DRIVER
	1996		1301			7691		1301		
2	7940	2.647		250.8		25025	8.342		249.5	
	2631		495			9090		495		
	2136		495			8595		495		
	1641		990			8100		990		
3	6408	2.136		349.8		25785	8.595		348.5	
	1808		498			8992		495		
	1310		498			8497		497		
	0812		996			8000		992		
4	3930	1.310		449.4		25489	8.496		447.7	
	2022		495			8741		498		
	1527		498			8243		498		
	1029		993			7745		996		
5	4578	1.526		548.7		24729	8.243		547.3	
		11.415					41.441			

F.B. 1204 PG. 54207

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:15-2:00 P.M. Rod No. 7 & 8

Name L.A. Co. PRECISE LEVELING
Job No. 4925
From BM 3-8 To BM 3-7
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2454	11.415	650	548.7		8641	41.44	648	547.3	
	1804		648			7793		645		
	1156		298			7341		193		
6	5414	1.805		6785		23782	7.94		6766	
	3190		650			7790		649		
	2540		651			7141		648		
	1889		301			6493		217		
7	7619	2.54		8086		21424	7.141		8063	
	4451		645			7320		649		
	3806		645			6671		650		
	3101		290			6021		299		
8	11418	3.806		9376		20012	6.671		9362	
	4226		649			7386		645		
	3577		649			6741		647		
	2928		298			6094		293		
9	10731	3.577		10674		20221	6.740		10654	
	4238		652			6950		647		
	3586		654			6303		647		
	2932		300			5656		294		
10	10756	3.585		11980		18909	6.303		11948	
		26.725					76.290			

F.B. 1704 PG. 208 52

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. [illegible] Weather CLEAR Inst. No. 50010
Notes by S. SHINOLA Time 1:15-2:00 PM Rod No. 7 & 8

Name L. A. Co Precise Level [illegible]
Job No. 4923
From BM 3-8 To BM 3-7
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4919	26.728	435	1198.0		1718	76.2[illegible]	475	1194.8	
	4484		436			1243		475		B.M 3-7 (US 2770) ([illegible]97)
	4048		871			0768		950		SEE F.B. 1204-[illegible]
11	13451	4.484		12851	92°	3729	1.243		12898	FOR DESCRIPTION
										SUMMATION OF RUN BM 3-8 TO BM 3-7
										TOTAL BACKSIGHTS - 31.21[illegible]
										" FORESIGHTS - 77.533
										DIFF IN ELEVATION - 46.32[illegible]
		31.212					77.533			

F.B. 1204 PG. 83 [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. 204 PG. 54 210

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:00-3:20PM Rod No. 7 & 8

Name L.A. Co. Pacific Coast Hwy
Job No. 4925
From B.M. 3-7 To B.M. 3-6
Date 7-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1003		309		#7	5962		300		
	0694		309			5962		300		BM 3-7 (US 277) (U-97)
	0385		618			5962		600		SEE F.B. 1-04
1.	2082	0.694	618	618	92°	16986	5.662	600	600	FOR DESCRIPTION
	4600		650			7501		645		
	4000		650			6856		648		TO G.E. DREER
	3360		1300			6208		1273		
2	12030	4.010		1918		20565	6.855		1893	
	4451		651			7075		647		
	3800		652			6428		648		
	3148		1303			5780		1295		
3	11399	3.800		3221		19283	6.428		3188	
	5120		648			7775		644		
	4472		649			7131		645		
	3823		1297			6486		1289		
4.	13415	4.472		4518		21392	7.131		4477	
	2938		650			8570		650		
	2288		649			7920		650		
	1639		1299			7270		1300		
5.	6865	2.288		5817		23760	7.920		5777	
		15.264					33.996			

F.B. 1704 PG. 25211

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:00-3:20 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4725
From BM 3-7 To BM 3-6
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3386	15.264	647	581.7		7282	[illegible]	650	577.7	
	2739		648			6632		650		
	2091		1295			5982		1300		
6.	8216	2.739		711.2		19896	6.632		7077	
	4421		647			7289		646		
	3774		647			6643		645		
	3127		1294			5998		1291		
7.	11322	3.774		8404		19930	6.643		8368	
	4812		660			7194		649		
	4158		660			6545		648		
	3498		1320			5897		1297		
8	12474	4.158		9726		19636	6.545		9665	
	4318		648			7279		649		
	3670		647			6630		650		
	3023		1295			5980		1299		
9	11011	3.670		11021		19889	6.630		10964	
	4382		650			7299		648		
	3732		650			6651		647		
	3082		1300			6004		1295		
10.	11196	3.732		12321		19954	6.651		12259	
		33.337					67.097			

F.B. 1704 PG. 212

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. Naumann Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 2:00-3:20 PM Rod No. 7 & 8

Name L.A. Co Process Eval. Nt.
Job No. L-23
From BM 3-7 To BM 3-6
Date 9-21-51
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4291	33.337	633	1232.1		6872	67.097	663	1225.9	
	3659		636			6209		666		
	3022		1269			5543		329		
11	10971	3.657		3590		18624	6.206		3588	
	4971		647			6534		650		
	4323		648			5884		650		
	3575		1276			5234		1300		
12	12669	4.223		4886		17652	5.884		4888	
	4766		647			6845		647		
	4119		648			6198		646		SUMMATION OF + IN
	3471		1295			5552		1293		BM 3-7 TO BM 3-6
13	12356	4.119		6181		18595	6.198		6181	
	4583		651			7052		648		TOTAL BACKSIGHTS + 8.812
	3932		651			6404		648		− FORESIGHTS − 9.250
	3281		1302			5756		1296		DIFF. IN ELEVATION −0.438
14	11796	3.932		7485		19212	6.404		7477	
	3191		649			5097		637		
	2542		648			4460		637		BM 3-6 (U.S. 4002) (2.718)
	1894		1297			3821		1276		SEE F.B. 1204
15	7627	2.542		18780	92°	13378	4.459		18753	FOR DESCRIPTION
		51810					96.250			

F.B. 1204 PG. 57 2 13

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party..... 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. 204 PG. 58 214

F. B. 1204 PG. 215

NOTES RED. _____ JOB NO. _____ SURVEY OF _____

DATE _____ SURVEY BY [illegible]

NOTES CHKD. _____ NOTES BY H.E.G. DATE 4/9/57

DATE _____ INDEXED A. C. Johnson DATE 4-11-57

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

Do not extend notes this side of this line

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

768420 383 3-71

DESCRIPTION

WHITTIER AREA

BENCH MARK. CHECK.

"BM-3-17 MAY BE DESTROYED by Construction
1951 4-9-57

ADJ. ELEV.

B.M.

3RD RUN

Whittier Blvd
& 1st Ave. SE Cor.
Possibly may be
preserved. (Check after Const.)

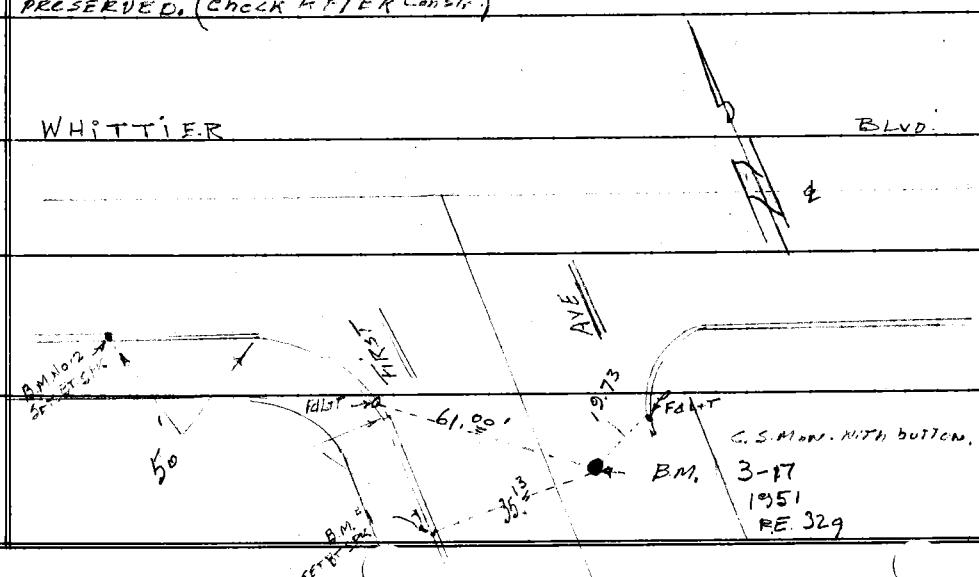
2ND RUN

WHITTIER BLVD.

DIFF.

1ST RUN

B.M.



76S420 353 3-51

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

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

ASSUMED ELEV

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 3-17	150.000					B.M. 3-17 EL: 291.534 FB-1204-21
+	4.825		4.826			WHITTIER BLVD. + FIRST AVE. S.E. COR.
⊼	154.825	+0.924	+0.924			C.S. MON. IN WELL, STMPD COUNTY SURVEYOR RE329
−	3.901		3.902			B.M. 3-17, 1951, (100' ± So + 4.9' E. of ℄ Int.)
B.M. #1	150.924					B.M. #1 EL = FB.
+	5.445		5.430			WHITTIER BLVD + FIRST AVE. S.W. COR.
⊼	156.369	-0.093	-0.091			BT. SPK. IN Cb. 49.3' S. of S END C.R.
−	5.538		5.521			
B.M. #2	150.831					B.M. No. 2 EL. FB
+	4.540		4.538			WHITTIER BLVD. + FIRST AVE. S.W. COR
⊼	155.371	-0.830	-0.830			BT. SPK. IN Cb. 50' W of W. END C.R.
−	5.370		5.368			
B.M. 3-17	150.001					B.M. 3-17 EL FB
						WHITTIER BLVD. + FIRST AVE. SE. COR.
						C.S. MON. IN WELL, STMPD COUNTY SURVEYOR. RE329
						B.M. 3-17. 1951, (100' ± S. + 4.9' E of ℄ Int.

JOB NO. _____ SURVEY OF _____ NOTES RED. _____
SURVEY BY H.E. GRANDVIST DATE _____
NOTES BY H.E.G. DATE 4/9/57 NOTES CHKD. _____
INDEXED A. C. Johnson DATE _____ DATE _____

F.B. 1204 PG. 216

F.B. 1204 PG. 217

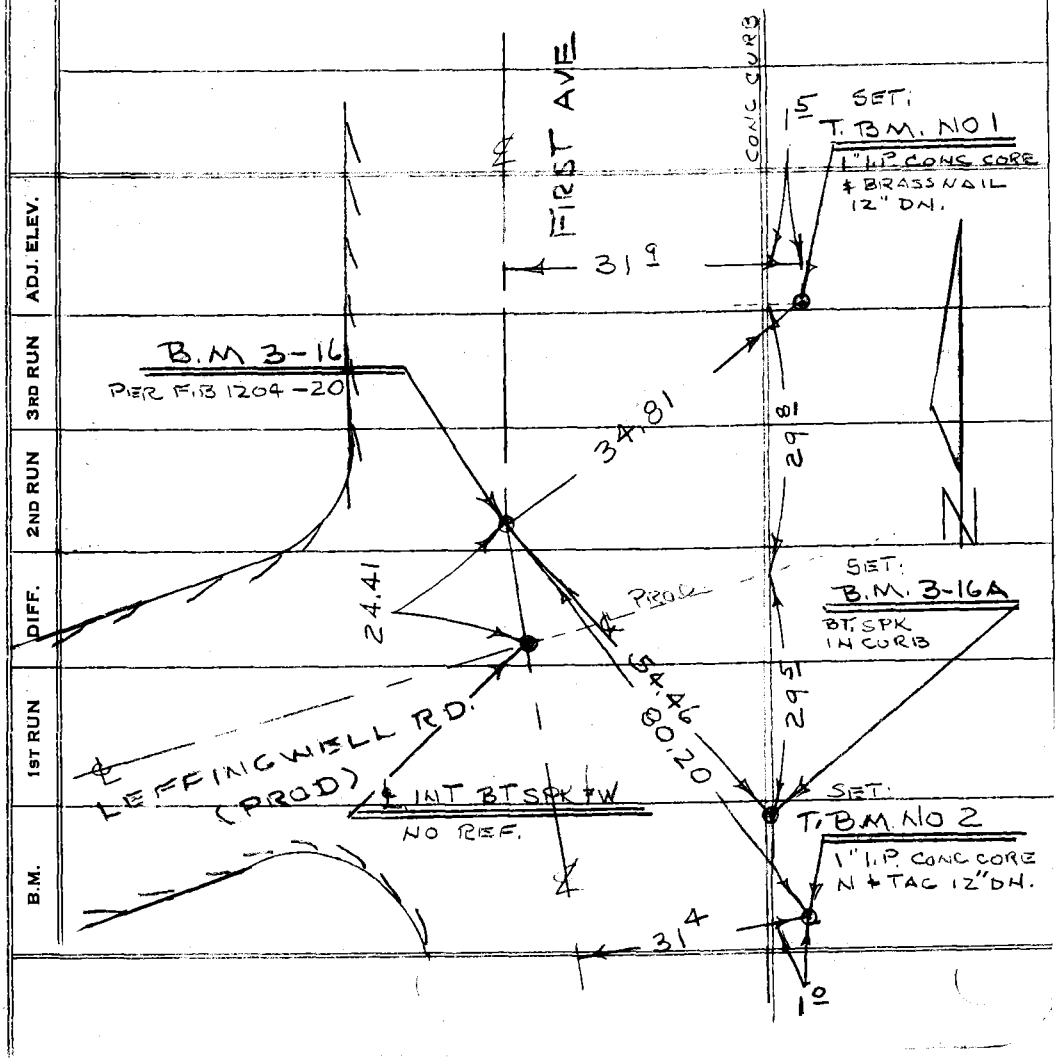
NOTES RED. _____ JOB NO. D301.00 SURVEY OF GEOD. CONT.
DATE _____ SURVEY BY W. D. BAI
NOTES CHKD. _____ NOTES BY R. D. SMITH DATE 3-21-61
DATE _____ INDEXED N. E. O. DATE 3 31 61

DESCRIPTION

TRANSFER ELEVATION
B.M. 3-16 TO B.M. 3-16A.

BM 3-16 MAY BE DESTROYED BY STORM DRAIN CONSTRUCTION.

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



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

Do not extend notes this side of this line

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

765420 S & E-353 4-54

765420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY [illegible] BLDG.

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

1204

Do [illegible] extend [illegible] this side of th[illegible]

B.M.	1ST RUN	[illegible]	2ND RUN	[illegible]RD RU[illegible]	ADJ. ELEV	DESCRIPTION
B.M.3-16	263.295					B.M. [illegible]L 263.295 FIRST AVE.
+	5.988		6.0[illegible]			& LEFFING[illegible]WELL R.D. C.S MON. 24.5'
⊼	269.283	+0.[illegible]1	+0.6[illegible]			N. ℄ INT. LEFFING WELL RD. (PROD)
−	5.367		5.438			FROM WEST & FIRST AVE. 20" DN IN H. [illegible]
						F.B. 1204-20
T.B.M.# 1	263.916					T. B.M. NO 1. SET 1" I.P. CONC CORE &
+	5.423		5.399			BRASS NAIL 1.5' BACK OF CURB
⊼	269.339	+1.015	+1.014			12" DN. 29.8' NO. LEFFING WELL RD. ℄
−	4.408		4.385			PROD FROM WEST & 31.9 OFF ℄
						OF FIRST AVE.
BM3-16A	264.931					BM. 3-16A. SET BT. SPK, IN LEAD
+	4.728		4.710			IN CONC. CURB 29.5 SO. OF
⊼	269.659	-0.835	-0.835			LEFFING WELL RD ℄ PROD FROM
−	5.563		5.545			WEST & 30' OFF ℄ FIRST AVE.
T.BM # 2	264.096					T. B.M NO 2, SET 1" I.P. CONC CORE
+	5.301		5.269			& N. & TAG 1' BACK OF CURB &
⊼	269.397	-0.804	-0.803			DN 12". 80.2 S.E OF B.M 3-16
−	6.105		6.072			& 31.4 OFF ℄ FIRST AVE
BM3-16	263.292					B.M. 3-16 SAME AS ABOVE

JOB NO. 0301.00 SURVEY OF GEOD. CONT. NOTES RED
SURVEY BY W. D. BAY DATE 3-21-61
NOTES BY R. D. SMITH DATE 3-21-61 NOTES CHKD.
INDEXED H. E. OTT DATE DATE

F. B. 1204 PG. 218