Notes Ck'd by	Surveyed by
Map No.	W. O. 4923 Tape No. St'd °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes C. E. DeLANDA Date 4-5-53
Date	Indexed C. JOHNSON 5-14-53

L.A. CO. PRECISE LEVEL NET F.B. 1396 Pg. 5

LINE NO 30

JOB NO 4923

L.A. COUNTY PRECISE LEVEL NET

EAST LONG BEACH AND SAN GABRIEL RIVER AREA

G.E. DREIER
E. LANDA
M. SONNENSCHEIN
T. OHASHI
R. HEMPFLING
R. PROFETA

P.W. file. o.k.

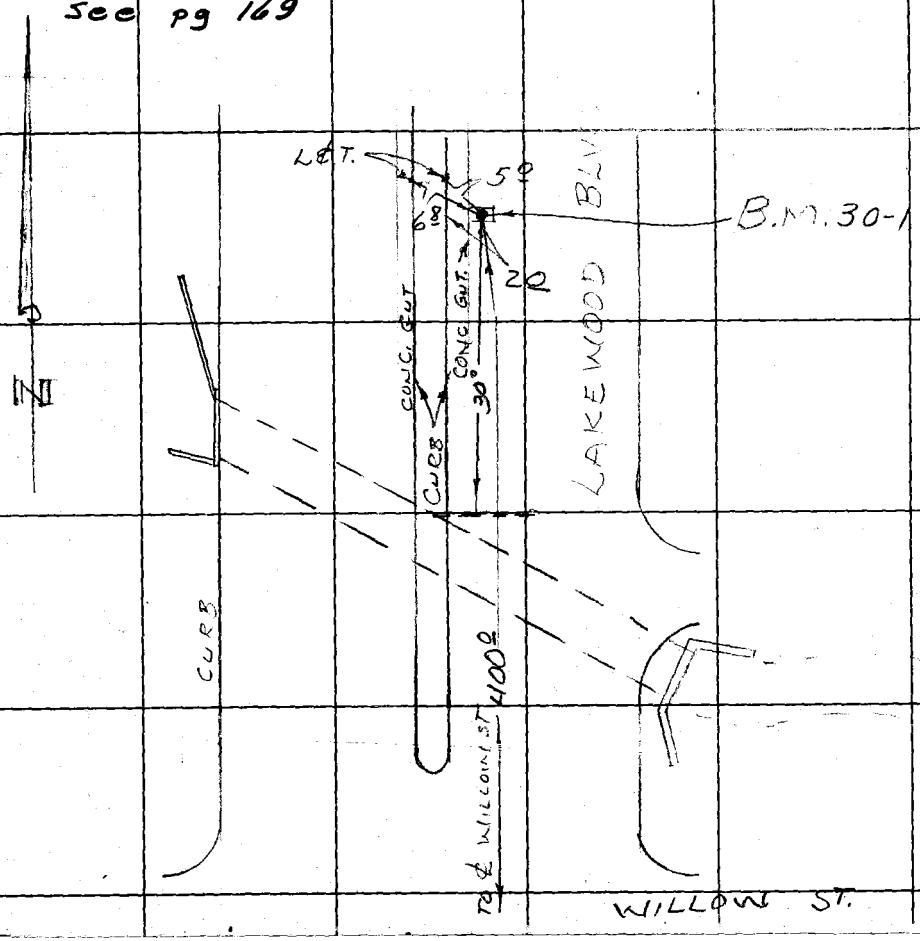
Microfilmed Dec '87

F.B. 1396 PG. 6

B.M. 30-1 (CLEARWATER G-12)
LAKEWOOD BLVD, 400 FEET NORTH OF WILLOW STREET, A STANDARD COUNTY SURVEYOR TRAVERSE STATION "CLEARWATER G-12" SET IN CONCRETE 10 INCHES BELOW THE SURFACE AT EAST EDGE OF WEST GUTTER OF EAST LANE OF LAKEWOOD BLVD. AND 30 FEET NORTH OF THE NORTH EDGE EDGE OF A BOX CULVERT UNDER THE BLVD. AND 2.0 FT. EAST OF THE WEST CURB OF THE EAST LANE OF THE BLVD IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT".

L. A. CO. 1953 ADJ. ELEV. 24.546

Monument has been moved 9 Oct 1961 F.E.B.
See pg 169



RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.
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Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 5-8-53
Date	Indexed K. C. Johnson

B.M. 30-2 (CLEARWATER I-12 R.M. #1)

WILLOW ST AND CLARK AVE, A STANDARD BRASS DISK REFERENCE MONUMENT "R.M. #1" SET IN CONCRETE 12" DEEP 28.6 E. OF ℄ OF CLARK AVE, 27.6 NORTH OF ℄ WILLOW ST, 43.5' S.W. OF A FIRE HYDRANT, 41.1' N.E. OF A SEWER M.H AT ℄ INTERSECTION.

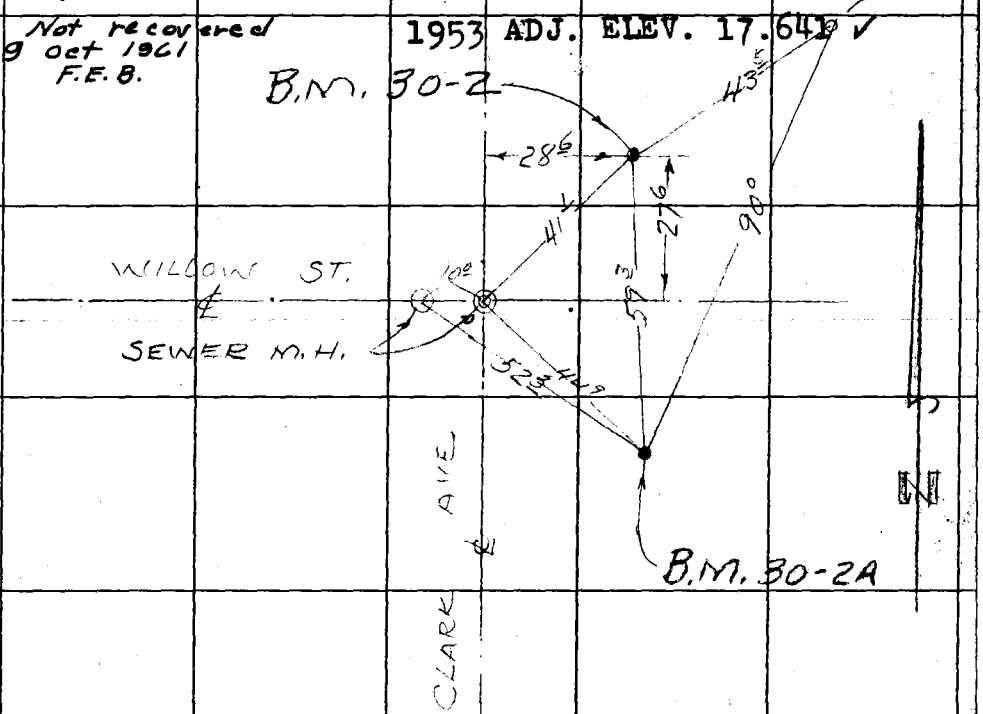
not recovered 9 Oct 1961 F.E.B. **1953 ADJ. ELEV. 18.313** ✓

B.M. 30-2A (CLEARWATER I-12 R.M. #2)

WILLOW ST AND CLARK AVE, A CUT SPIKE AND WASHER SET IN CONCRETE 12" BELOW THE SURFACE 90' S.W. OF A FIRE HYDRANT 44.9' S.E. OF A MANHOLE AT ℄ INTERSECTION 52.3' S.E. OF A SEWER MANHOLE 10' W. OF ℄ INTERSECTION

see pg 170

Not recovered 9 Oct 1961 F.E.B. **1953 ADJ. ELEV. 17.641** ✓



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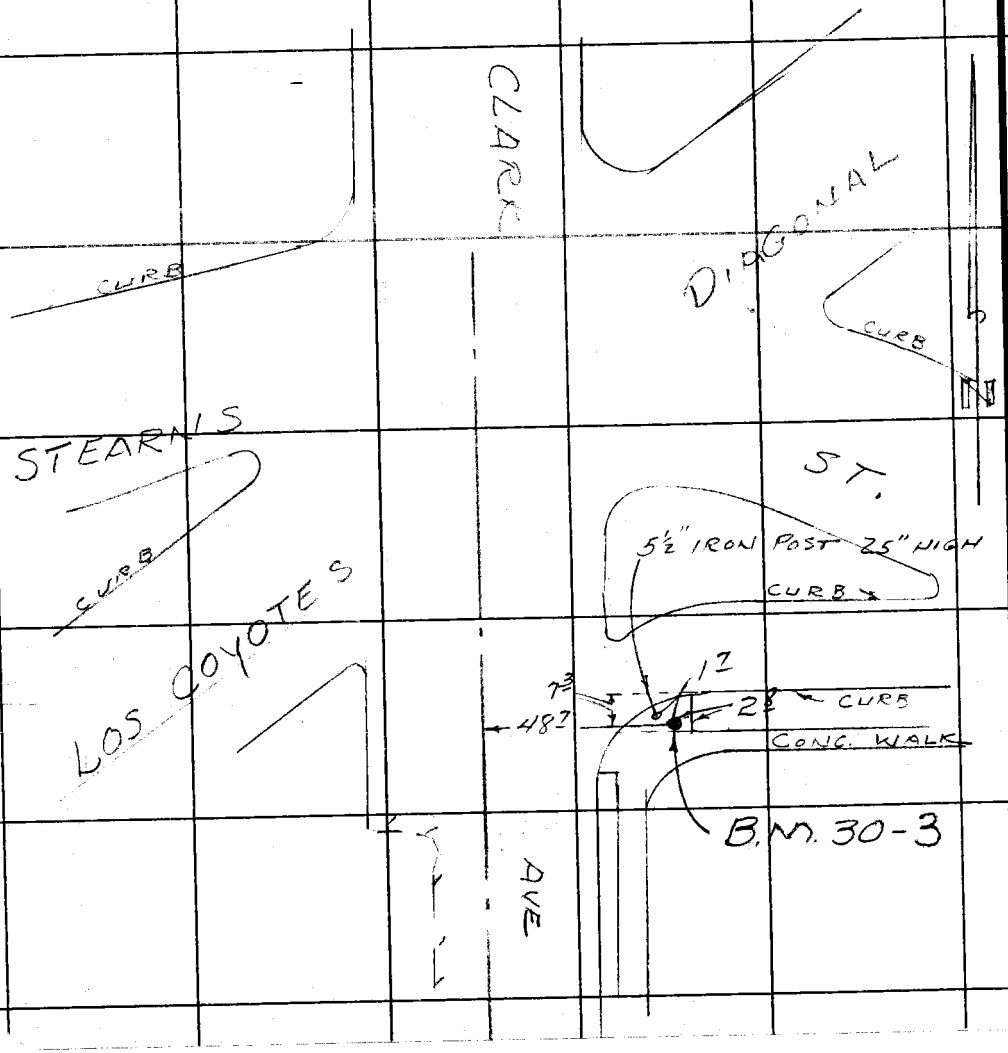
76F3095 247 2-51

F. B. 1396 PG. 8

B.M. 30-3 (CITY OF L.B)
CLARK AVE. AND STEARNS ST AND
LOS COYOTES DIAGONAL, S.E. CORNER,
A 1" BRASS BOLT SET IN CONCRETE 5"
BELOW THE WALK, 48.7 FT. EAST OF THE
℄ OF CLARK AVE, 7.3 FT. SOUTH OF THE
SOUTH CURB LINE OF STEARNS ST, AND
1.7 S.E. OF A 5½" IRON POST 2 FT HIGH,
IN A WELL PROTECTED BY A CAST
IRON COVER MARKED "L.B."

1953 ADJ. ELEV. 18.651
1958 ADJ. ELEV. 17.784



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Checked	Notes G.E. DREIER Date 5-13-53
Date	Indexed [redacted] C. Johnson

F. B. 1396 Pg. 9

B.M. 30-4 (CITY OF L.B.)

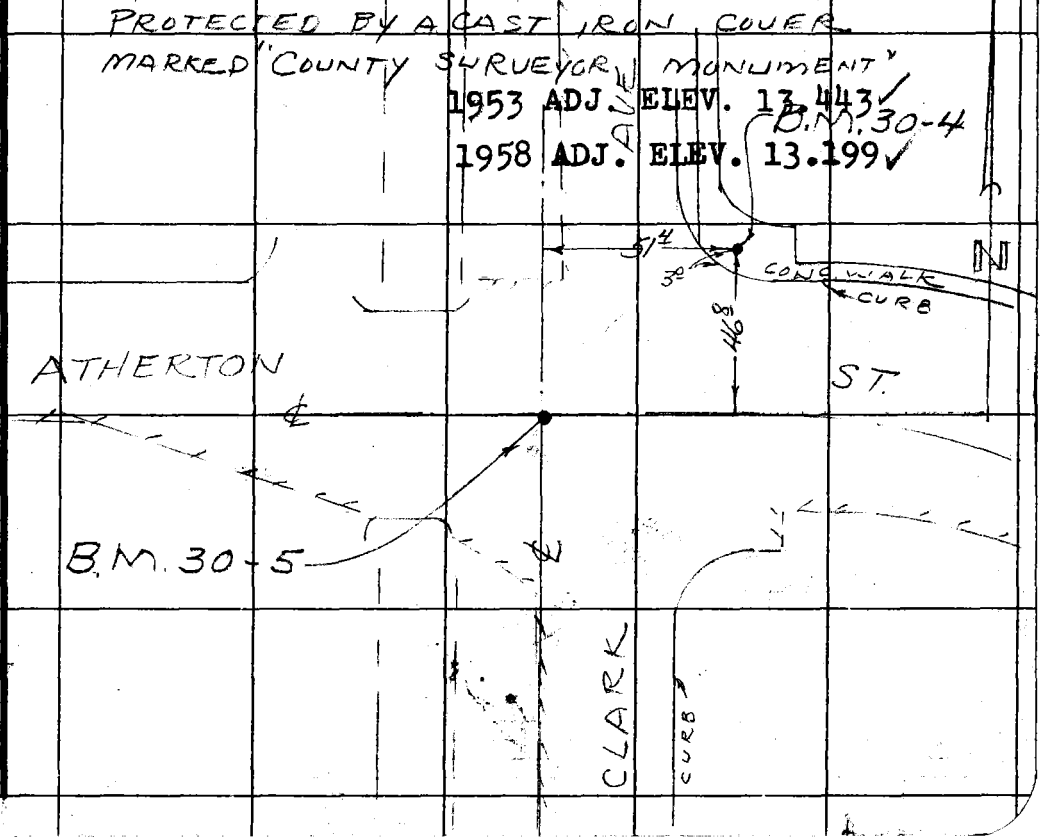
CLARK AVE AND ATHERTON ST, N.E. COR., A 1" BRASS BOLT SET IN CONCRETE 5 INCHES BELOW THE SURFACE OF THE WALK 3FT. BACK OF THE CURB, 51.4 E. OF ℄ CLARK AVE, AND 46.8 NORTH OF ℄ OF ATHERTON ST PROTECTED BY A CAST IRON COVER.

1953 ADJ. ELEV. 13.699
1958 ADJ. ELEV. 13.456

B.M. 30-5

CLARK AVE AND ATHERTON ST, ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MON. "RE.329" SET IN CONC. 14 INCHES BELOW THE SURFACE AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

1953 ADJ. ELEV. 13.443
1958 ADJ. ELEV. 13.199



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76F309S 247 2-51

F. B. 1396 PG. 10

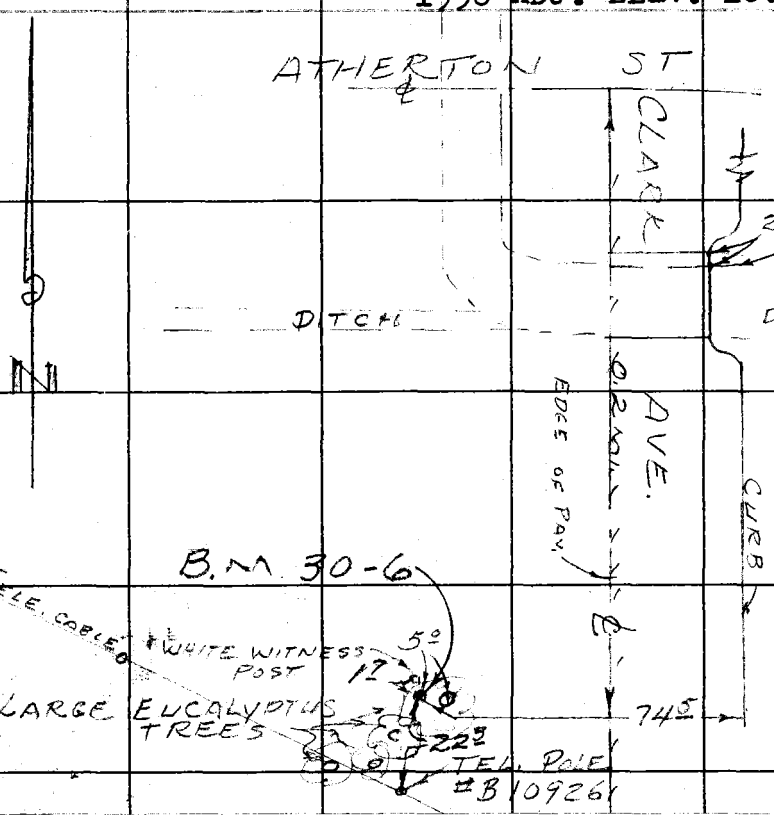
B.M. 30-6 (U.S. 4612 M-789)
AT LONG BEACH, ABOUT 0.1 MI NW ALG. PACIFIC COAST HWY (U.S. 101 ALT) FROM THE INTERSECT. OF ANAHEIM ST., THEN ABOUT 0.15 MI. N. ALONG ~~A DIRT ROAD~~ CLARK AVE., ABOUT 60' W. OF THE ℄ OF THE ROAD (CLARK AVE.), AT A GROUP OF FOUR LARGE EUCALYPTUS TREES, 6.5' W OF THE E'ERN MOST TREE, 6.4 N.E. OF THE 2ND TREE W. OF THE E END OF THE GROUP, AND 1.7 S. OF A WHITE WOODEN WITNESS POST. A STD DISK, STAMPED "M-789 1946 AND SET IN THE TOP OF A CONC. POST PROJECTING ABOUT 0.1 ABOVE GROUND.

Not recovered 9 Oct 1961 Fd. Conc. post laying on F.E.B. surface

1953 ADJ. ELEV. 21.773 ✓
1958 ADJ. ELEV. 21.521 ✓

T.B.M. #1 CLARK AVE, S. OF ATHERTON ST. L.&T. IN E. CURB 2 FT. S. OF N. END OF CONC. BRIDGE OVER OPEN DITCH

1953 ADJ. ELEV. 16.406 ✓
1958 ADJ. ELEV. 16.175 ✓



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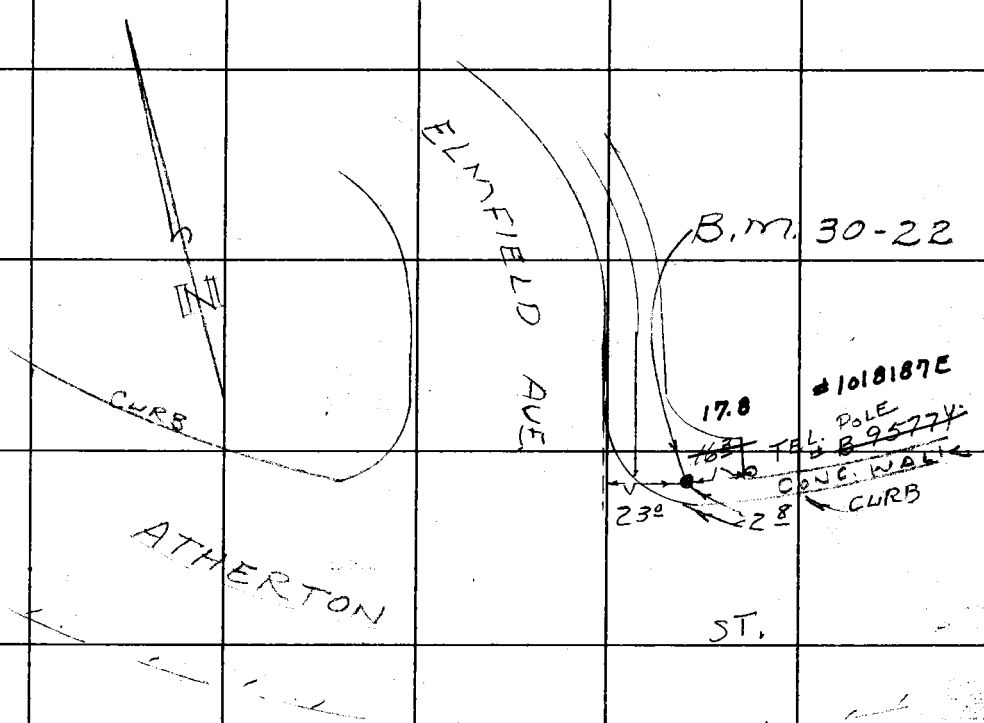
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date 5-13-53
Date	Indexed J. G. Johnson

F.B. 1396 Pg. 11

B.M. 30-22 (CITY L.B.)
ATHERTON ST. AND ELMFIELD AVE,
N.E. COR, A 1 INCH BRASS BOLT SET IN
CONC. 4 INCHES BELOW THE SURFACE OF
THE WALK ABOUT 3 FEET BACK OF THE
MIDDLE OF THE CURB RETURN 23 FEET
E. OF THE E. CURB LINE OF ELMFIELD AVE.
IN A WELL PROTECTED BY A CAST IRON
COVER

1953 ADJ. ELEV. 11.420



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76F309S 247 2-51

F. B. 376 PG. 12

B.M 30-7

ATHERTON ST AND BELLFLOWER BLVD, N.W. COR., A STANDARD COUNTY SURVEYOR MONUMENT 2½" diameter STAMPED "B.M. 30-7 1953 RE.63" SET IN CONCRETE 11 INCHES BELOW THE SURFACE 1.1 FEET BACK OF THE CURB, 2.5 FEET S. OF A STREET LIGHT POST IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

Button A

6-29-65 ex Voge

1953 ADJ. ELEV. 12.032 ✓

T.B.M. #2 BELLFLOWER BLVD, S. OF ATHERTON ST. A CUT SPIKE W. & T. IN TOP OF WOOD PILING AT N.W. COR. OF WOOD BRIDGE OVER DITCH

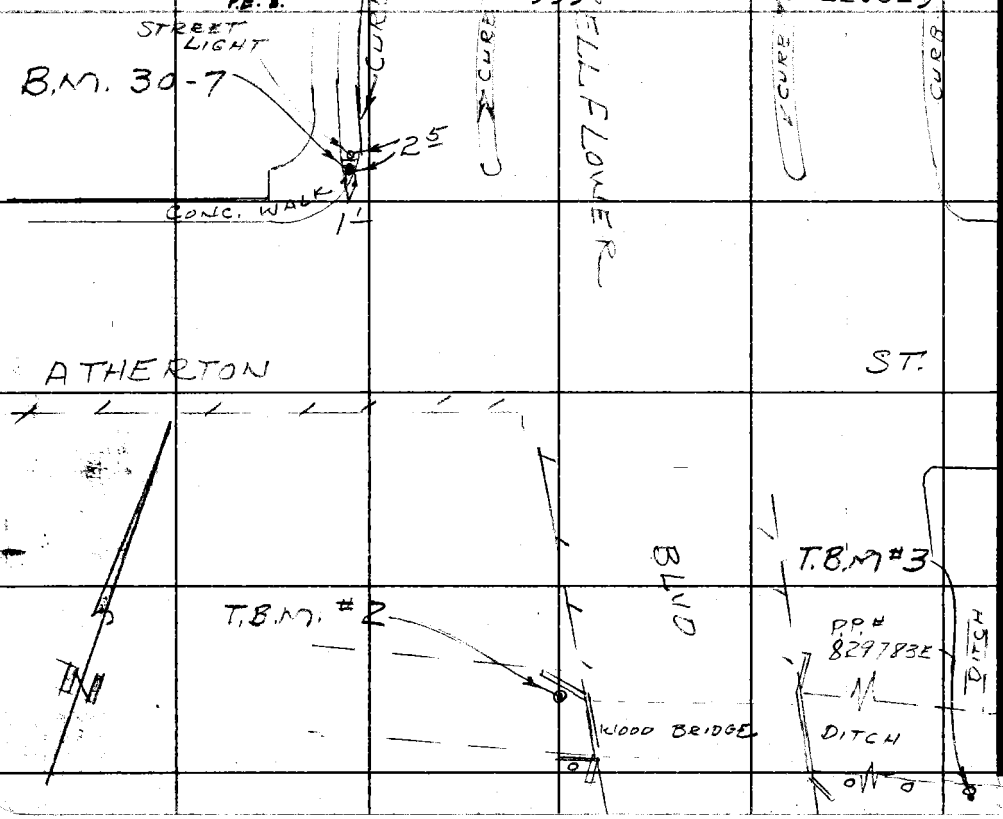
not recovered 9 Oct 1961 F.E.B.

1953 ADJ. ELEV. 14.406 ✓

T.B.M. #3 AT JUNCTION OF DITCHES E. OF BELLFLOWER BLVD, S. OF ATHERTON ST, LARGE B. SPR. IN S. SIDE OF POWER POLE # 829783E

not recovered 9 Oct 1961 F.E.B.

1953 ADJ. ELEV. 12.015 ✓



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Map No.	W.O. 6173 Tape No. St'd. °F	
Office Work	Surveyed by G.E. DREIER	
Checked	Notes G.E. DREIER Date 5-11-53	
Date	Indexed J. C. Johnson	

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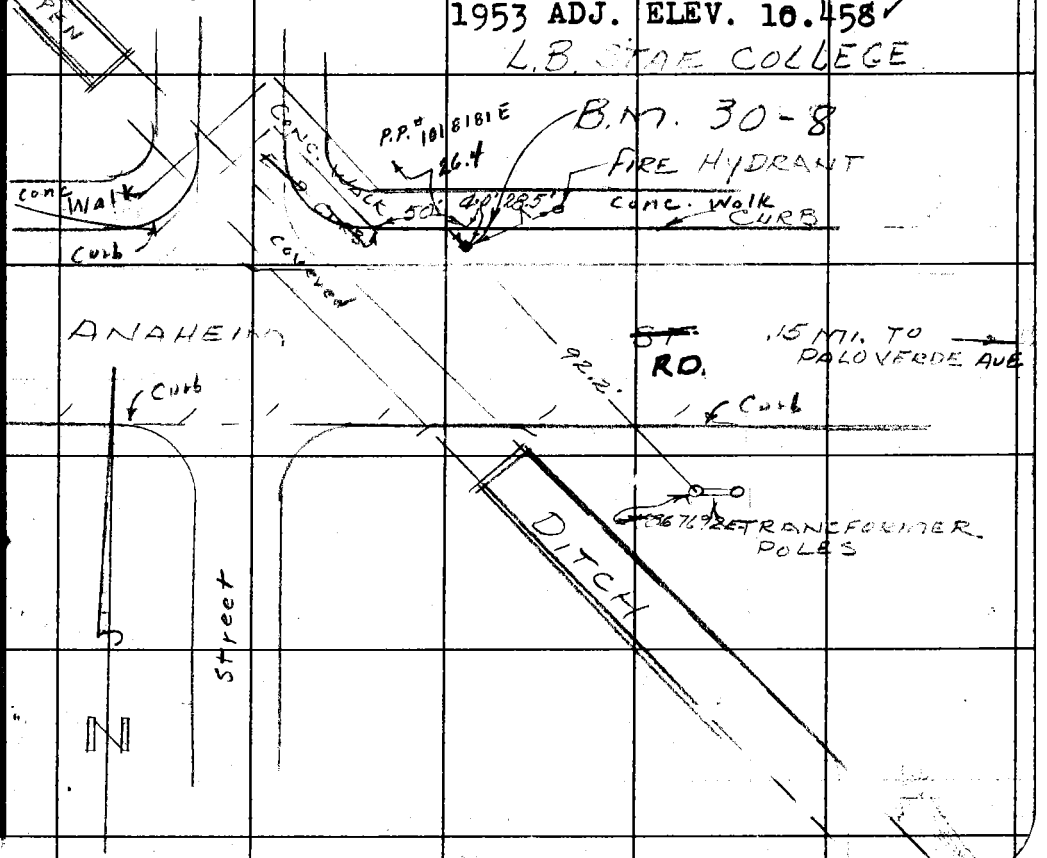
B.M. 30-8

ANAHEIM ~~ST.~~ RD., .15 MI. W. OF PALO VERDE AVE., ON E. SIDE OF DITCH, ~~50 FEET E. OF W. END OF CURB~~, 4.0 FEET, SOUTH OF CURB, 28.5 FEET S.W. OF A FIRE HYDRANT AND 92.2 N.W. OF TRANSFORMER POLE #867692 E., A STANDARD COUNTY SURVEYOR MON. STAMPED "B.M. 30-8 1953 R.E.63" SET IN CONC. 11 INCHES BELOW THE SURFACE IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

1953 ADJ. ELEV. 10.458

L.B. STATE COLLEGE



RETURN TO
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#726 LOS ANGELES COUNTY
ENGINEERING BLDG.

78F3095 247 2-51

F. B. 1996 PG. 14

Not Recovered 6-29-65 W. J. Voge

B.M. 30-9 (C.L.B.561)(U.S.3739)(F.C. 73-LB.561)

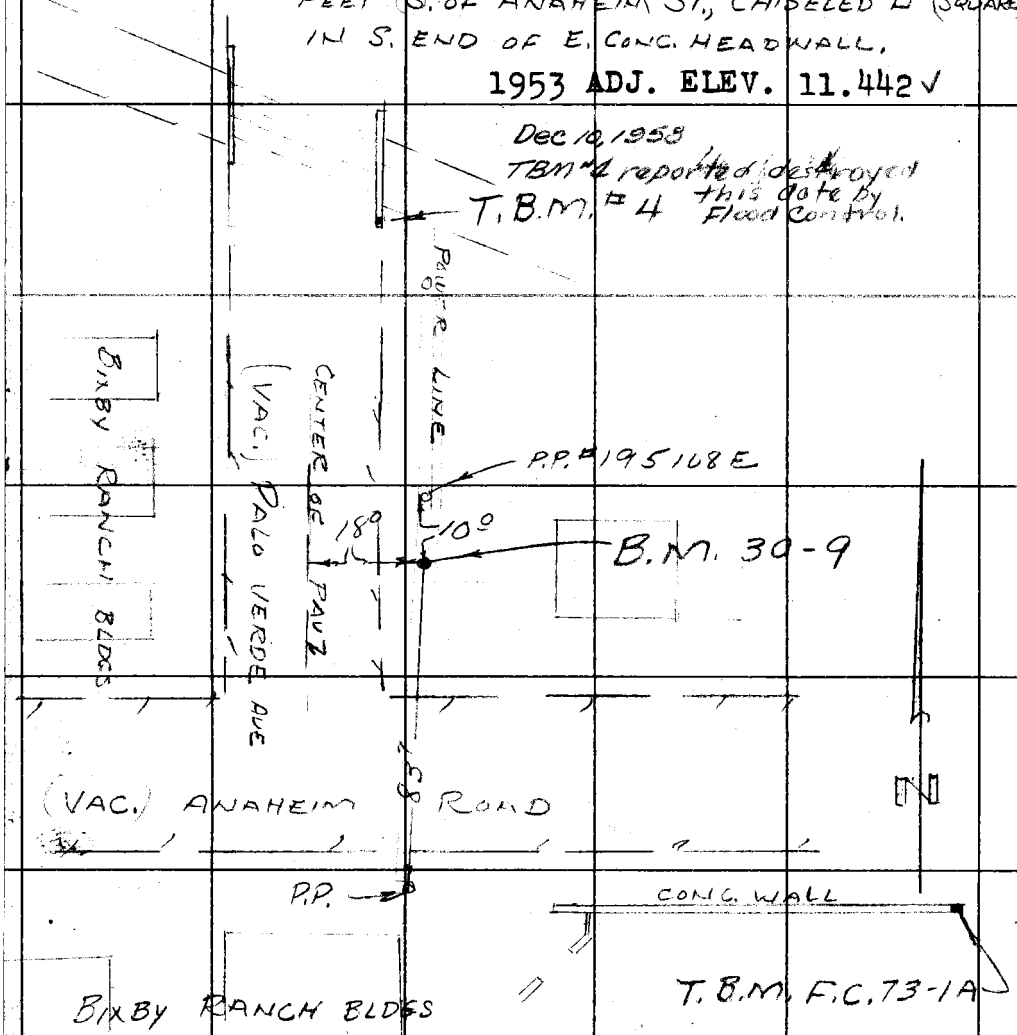
VACATED ANAHEIM ST AND VACATED PALO VERDE AVE. N. E. COR., ON POLE LINE 10.0 FT. SOUTH OF POLE NO. 195108E, 18 FEET E. OF CENTER OF PALO VERDE AVE AND 83.7 FT. N. OF A POWER POLE, A 1" BRASS BOLT SET IN CONC. IN A WELL WITH A CAST IRON.

1953 ADJ. ELEV. 51.959 ✓

T.B.M. # 4 (PALO VERDE AVE. (VAC.) E. SIDE 700± FEET S. OF ANAHEIM ST., CHISELED "□" (SQUARE) IN S. END OF E. CONC. HEADWALL.

1953 ADJ. ELEV. 11.442 ✓

Dec 10, 1958
TBM #4 reported destroyed this date by Flood Control.



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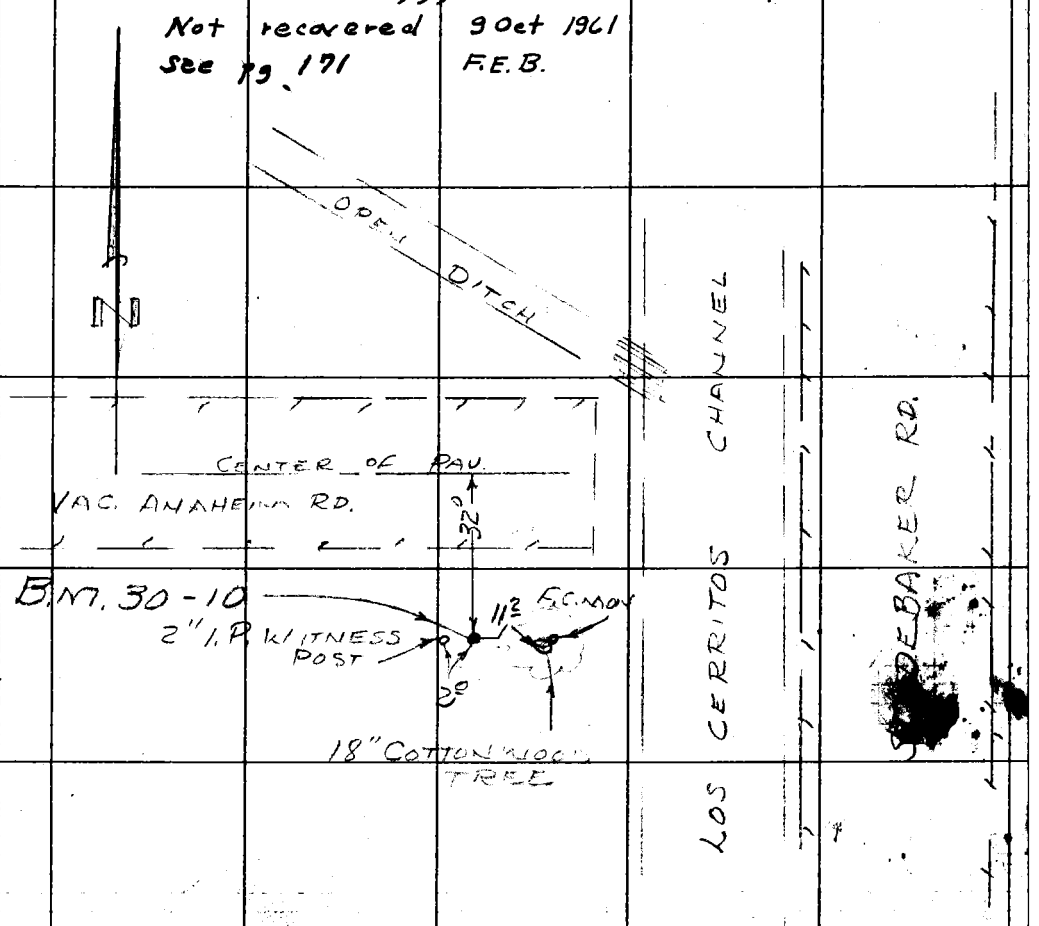
Map No.	W. O. 4923 Tape No. St'd. °F	
Office Work	Surveyed by G.E. DREIER	
Checked	Notes G.E. DREIER Date 5-11-53	
Date	Indexed A. C. Johnson	

B.M. 30-10 (F.C. B.M. 120-4)
LOS CERRITOS CHANNEL AT (VACATED) ANAHEIM ROAD, ON THE SOUTH SIDE OF ANAHEIM ROAD 12' W. OF PROPOSED WEST R/W. LINE OF LOS CERRITOS CHANNEL, 1' NORTH AND 12' WEST OF NORTH EAST CORNER OF BIXBY RANCH, A 2" X 6' IRON PIPE FLUSH WITH CONC. COLLAR AND F.C. DISK IN TOP STAMPED "B.M. 120-4". MARKER PIPE 2' WEST.

1953 ADJ. ELEV. 8.207 ✓

Not recovered 9 Oct 1961
See pg. 171 F.E.B.



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RETURN TO
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76F3095 247 2-51

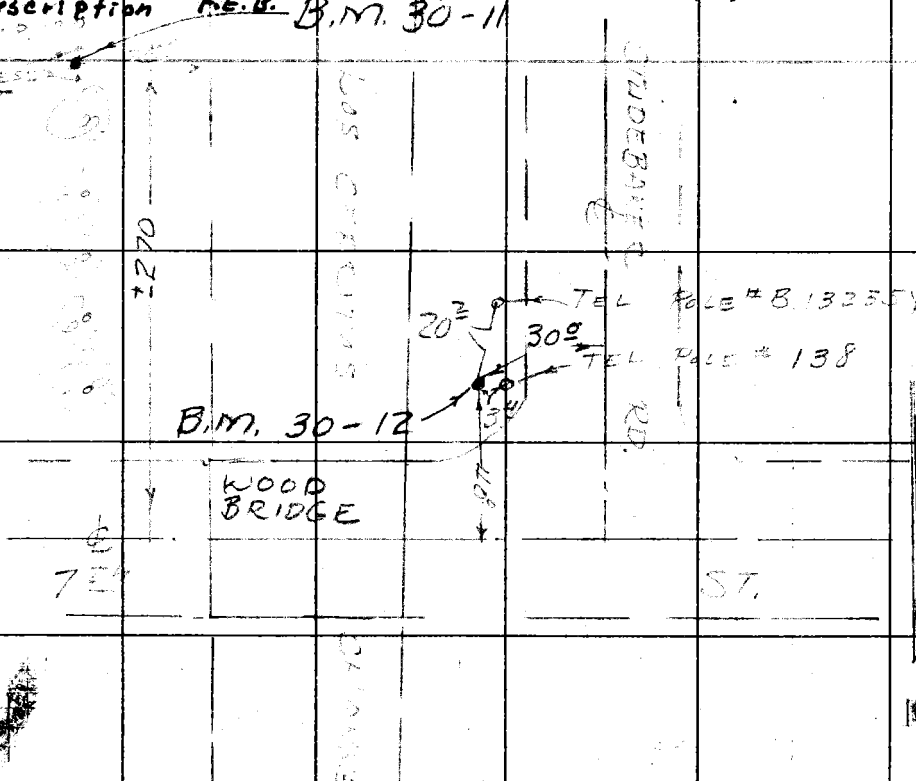
F. B. 1396 PG. 16

B.M. 30-11 (F.C.B.M. 120-4A)
LOS CERRITOS CHANNEL, 272 FT. N. OF 7th ST., ON W. SIDE OF CHANNEL, ON W. R/W. ON LINE WITH A ROW OF COTTONWOOD TREES BETWEEN 2 - 2" I.P. MARKERS & 0.4 FT. BELOW SURFACE, ST'D F.C. MON. STAMPED "X-SEC. STA. NO. 0"

Not recovered 10 oct 1964 F.E.B. 1953 ADJ. ELEV. 9.867 ✓
See pg 172

B.M. 30-12 (F.C. B.M. 120-4B)
LOS CERRITOS CHANNEL AT 7th ST, ON E. SIDE OF CHANNEL 40 FT. N. OF THE ℄ OF 7th ST. ON THE E. R/W 1.5 FT. So. OF A 2" I.P. MARKER AND 3.4 FT. W. OF ~~P.P. #6076~~ TEL. POLE # 138, ~~+2"~~ 30" BELOW SURFACE, A ST'D F.C. MON STAMPED "F.C.B.M. 120-4B"

See pg 172 for new description F.E.B. 1953 ADJ. ELEV. 7.916 ✓



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Office Work	W. O. 4923 Tape No. St'd. °F
Checked	Surveyed by G. E. DREIER
Date	Notes LANDA & DREIER Date 5-13-53
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F. B. 1396 Pg. 17

see pg 174 for new description

B.M. 30-13 (F.C.B.M. 73-1B)
San Gabriel River at 7th St.
N.W. Cor. of concrete bridge over river.
St'd. F.C. disc. in conc. sill. Stamped.
"F.C. B.M. 73-1B 1946"

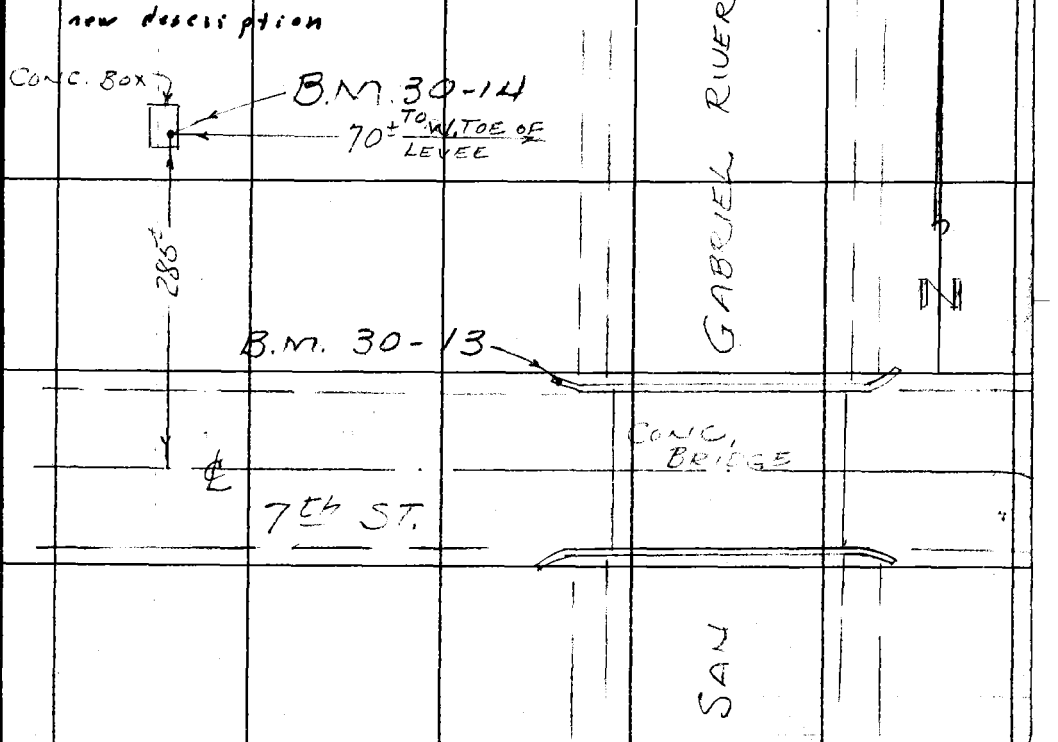
Not recovered 10 Oct 1961 F.E.B. bridge was rebuilt in 1953 present mark has no stamping

1953 ADJ. ELEV. 24.283 ✓
1958 ADJ. ELEV. 23.496 ✓

B.M. 30-14 (F.C. B.M. 73-19)
San Gabriel River & 7th St.
~~±325 ft.~~ ±285 N of 7th St. & on W. side of river, 20 ft W of W. R/W at 4'x6' conc. box.
On E side of box & 2.8 ft N. from S end of box.
F.C. tag, brass nail in lead.

Not recovered 10 Oct 1961 F.E.B. see pg. 174 for new description

1953 ADJ. ELEV. 9.753 ✓
1958 ADJ. ELEV. 9.347 ✓



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76F309S 247 2-51

F. B. 1396 PG. 18

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

B.M. 30-15 (F.C. B.M. 73-2C)
San Gabriel River On the W side of, and
1200± N of 7th St. At Bureau of Power & Light,
Tower No. 18 At the N.E. Cor. of Tower, and
In the N.E. Cor. of Conc. Footing for Tower leg,
Set a F.C. Std Brass Cap in Conc. Mk'd "F.C.
B.M. 73-2C 1946" 1st Tower N. of 7th St. W. side

1958 ADJ. ELEV. 10.248 ✓ 1953 ADJ. ELEV. 10.517 ✓

Not Recovered 6-30-65 W. Voge

T.B.M. (F.C. B.M. 73-18)
San Gabriel River, W side of,
at B.P.& L. Tower #20, 2nd Tower N. from
7th St & 1st tower N. from angle tower #19
Under center of tower & 6" down 2" I.P.

1953 ADJ. ELEV. 10.716 ✓
1958 ADJ. ELEV. 10.394 ✓

Not Recovered 6-30-65 W. Voge

B.M. 30-16 (F.C. B.M. 73-3C)
San Gabriel River On the W side of,
2600 ft. ± N. of 7th St. At Bureau of Power
& Light Tower No. 21 2nd Tower N.
of 7th St. At Center of Tower, Set a Std.
F.C. Conc. Mon. Flush Stamped "F.C. B.M.
73-3C 1946"

1953 ADJ. ELEV. 13.512 ✓
1958 ADJ. ELEV. 13.212 ✓

T.B.M. (F.C. B.M. 73-E)
San Gabriel River (Lower East),
West side of, at Los Angeles Gas & Electric
Company Tower No. 22, East side of Northeast
tower leg, top of North bolt; chiseled cross.

1953 ADJ. ELEV. 11.750 ✓
1958 ADJ. ELEV. 11.490 ✓

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

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Date

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Survey of
W. O. 41923 Tape No. St'd. °F
Surveyed by G. E. DREIER
Notes DREIER & LANDA Date 5-13-53
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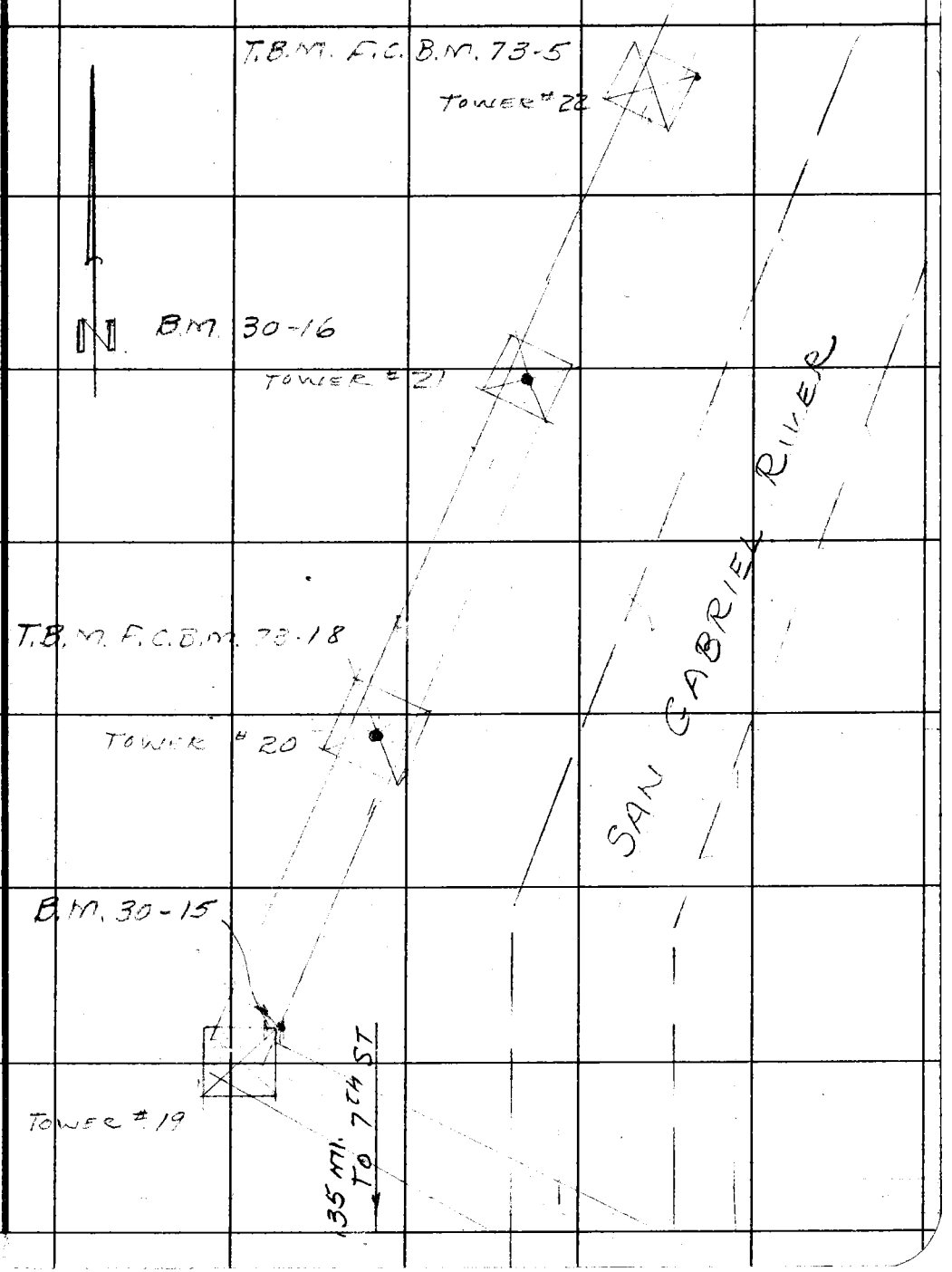
F. B. Pg. 19



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76F309S 247 2-51

F. B. 1396 PG. 20

Not Recovered 7-1-65 Vogel

B.M. 30-47 (F.C. B.M. 73-4C)
San Gabriel River on the W side of, at the B. of Tw. & L. Tower No 23rd 5th tower N. of 7th St. Set a Std F.C. Conc. Mon. flush at center of tower. Stamped "F.C. B.M. 73-4C 1946"

1953 ADJ. ELEV. 14.366 ✓
1958 ADJ. ELEV. 13.965 ✓

T.B.M. (F.C. B.M. 73-7 ← Reported destroyed by L.A.C. F.C. Dist (5/1/63)
San Gabriel River (Lower East), West side of, at Los Angeles Gas & Electric Co. Tower No 24 ~~133~~, east side of Northeast tower leg, top of North bolt, chiseled square on end of bolt.

1953 ADJ. ELEV. 13.704 ✓
1958 ADJ. ELEV. 13.475 ✓

Not Recovered as 7-1-65 Vogel

T.B.M. (F.C. B.M. 73-5C)
San Gabriel River 7th tower N. of 7th St. 1st tower S. of angle tower West side of River. In center of tower No 25, B.P. & L. A std. F.C. Mon. flush. Stamped "B.M. 73-5C 1946"

1953 ADJ. ELEV. 18.210 ✓
1958 ADJ. ELEV. 17.746 ✓

T.B.M. (F.C. B.M. 73-17)
San Gabriel River, W. side of, ± 1 mile S. from Spring St. Under center of B.P. & L. tower #26 6' 18" below surface. 1½" I.P.

1953 ADJ. ELEV. 18.674 ✓
1958 ADJ. ELEV. 18.462 ✓

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

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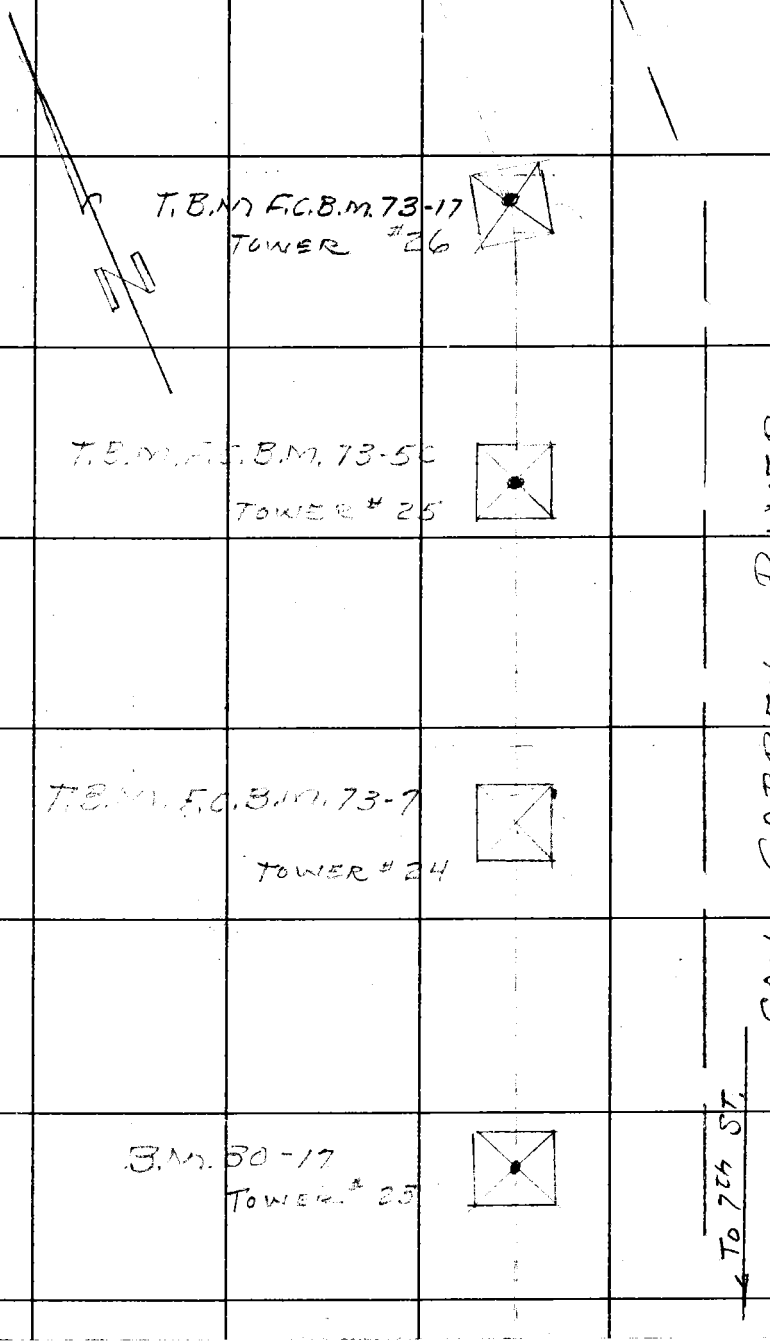
Office Work	Surveyed by G. E. DREIER
Checked	Notes DREIER & LANDA Date 5-13-53
Date	Indexed J. C. Johnson

F. B. 1342 Pg. 71



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

76F309S 247 2-51

F. B. 1006 PG. 22

B.M. 30-18 (F.C.B.M 73-6C)
SAN GABRIEL RIVER BETWEEN SPRING & 7TH ST'S, ON W. SIDE OF RIVER AT B.P.&L. TOWER #27, 1ST ANGLE TOWER S. OF SPRING ST. UNDER TOWER AT THE S.W. CORNER, 7.1 FT FROM S.W. LEG, 23.4 FT FROM N.E. LEG, 18.4 FT FROM N.W. LEG, A ST'D. F.C. MONUMENT FLUSH STAMPED "F.C.B.M. 73-6C 1946"

1953 ADJ. ELEV. 20.489 ✓
1958 ADJ. ELEV. 20.270 ✓

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

T.B.M. F.C. MONUMENT (NO NUMBER) SET FLUSH AT CENTER OF TOWER #28 ALONG SAN GABRIEL RIVER BETWEEN SPRING ST & 7TH ST.

Not Recovered on 7-1-65 Voge

1953 ADJ. ELEV. 17.525 ✓
~~1958 ADJ. ELEV. 17.292~~ ✓

B.M. 30-19 (F.C.B.M. 73-7C RESET 1950)
SAN GABRIEL RIVER, ON W. SIDE OF RIVER AT THE 5TH B.P&L TOWER S. OF SPRING ST. TOWER #29, BELOW TOWER AT CENTER, A ST'D F.C. MONUMENT SET FLUSH STAMPED "F.C.B.M. 73-7C ~~1946~~" RESET IN 1950.

Not Recovered 7-1-65 Voge

1953 ADJ. ELEV. 18.558 ✓
1958 ADJ. ELEV. 18.339 ✓

B.M. 30-20 (F.C.B.M 73-8C RESET 1950)
SAN GABREIL RIVER ON W. SIDE OF RIVER, AT THE 4TH B.P&L. TOWER S. OF SPRING ST., BELOW CENTER OF TOWER #30 A ST'D F.C. MONUMENT STAMPED "F.C.B.M 73-8C ~~1946~~" RESET IN 1950.

1953 ADJ. ELEV. 20.342 ✓
1958 ADJ. ELEV. 20.115 ✓

Not Recovered on 7-1-65 Voge

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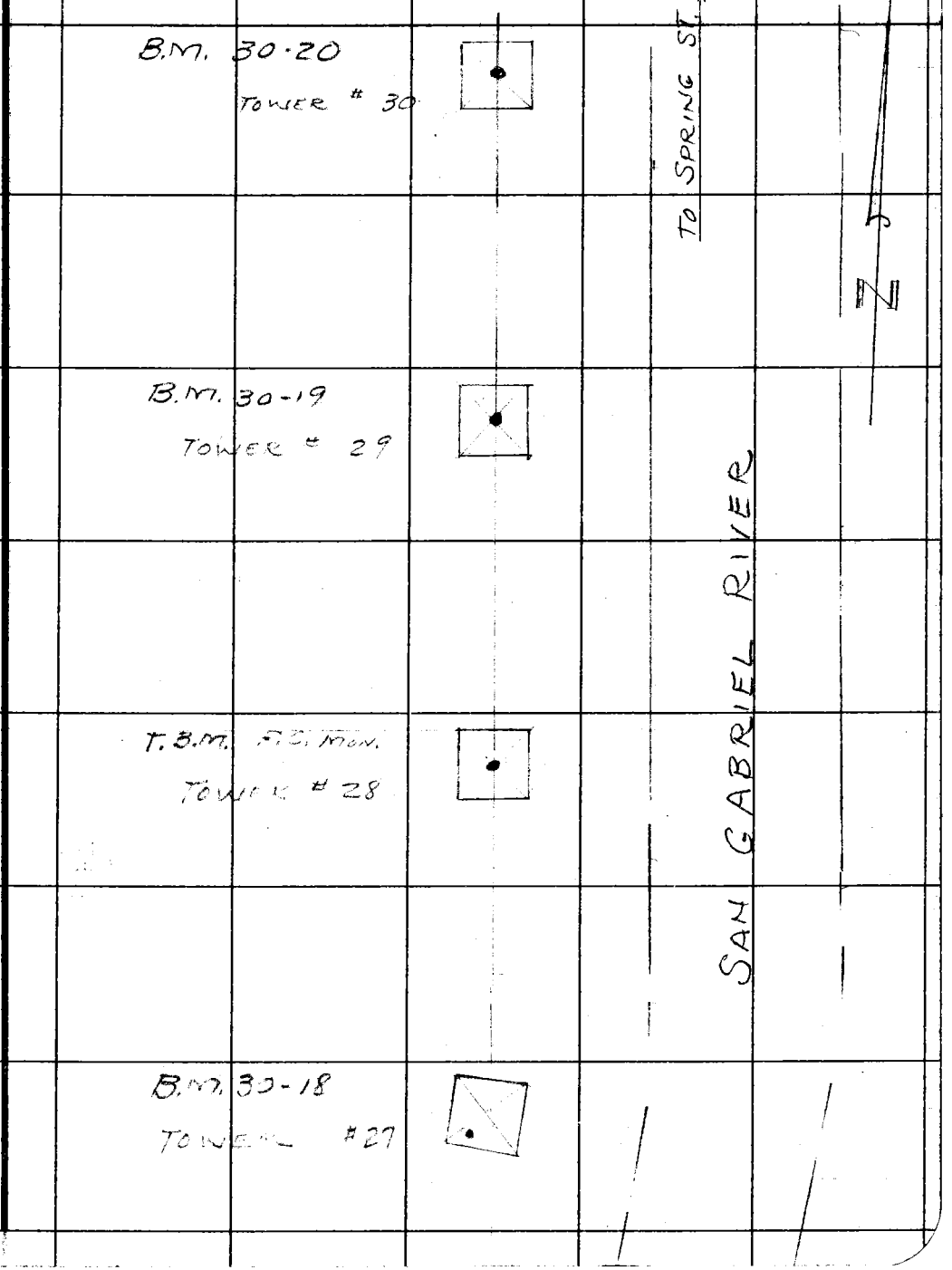
Notes Ck'd by
Map No.
Office Work
Checked
Date

L. A. CO. PRECISE LEVEL NET

Survey of
W. O. 4923 Tape No. St'd. °F
Surveyed by G. E. DREIER
Notes G. E. DREIER Date 5-18-53
Indexed C. Johnson

F. B. 1396 PG. 23



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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1396 PG. 24

T.B.M. SAN GABRIEL RIVER, W. SIDE, A STD F.C. BRASS CAP MONUMENT, NO NUMBER, A CENTER OF TOWER NO 31

Not recovered on 7-1-65 Vogl

1953 ADJ. ELEV. 19.348 ✓
1958 ADJ. ELEV. 19.132 ✓

B.M. 30-21 (F.C.B.M. 73-9C)

SAN GABRIEL RIVER, SECOND B.P.&L TOWER S. OF SPRING ST. ON W. SIDE OF RIVER, TOWER #32, IN CENTER OF, A STD. F.C. MONUMENT, SET ~~FLUSH~~ 6" dn, STAMPED "F.C.B.M 73-9C 1946"

Not recovered on 7-1-65 Vogl

1953. ADJ. ELEV. 21.049 ✓
1958 ADJ. ELEV. 20.813 ✓

B.M. 8-30 F.C.B.M. 73-[illegible] SEE F.B. 1209-27

1958 ADJ. ELEV. 23.848 ✓

B.M. ~~8-31 RESET~~ 8-31A See FB 1209-267

(U.S. 2189 J-51 RESET 1952) (SEE F.C.B.M 74-58) (SEE F.B. 1209-27) NEAR SPRING ST. AND THE SAN GABRIEL RIVER, ~~AT THE W. END OF THE APPROACH TO~~ [83.7 FT W. OF THE W. END OF] THE BRIDGE OVER THE RIVER AND ~~198~~ [61.3] N. OF THE CENTER-LINE OF SPRING ST. IN [S.E. COR. OF] THE CONCRETE BLOCK SURROUNDING A M.H. LEADING TO A PIT OF THE INDUSTRIAL FUEL AND SUPPLY CO, A STANDARD DISK STAMPED ~~"J-51 1926 RESET 1938"~~ "J-51 RESET 1952" ABOUT ~~2'~~ 3' HIGHER THAN THE GROUND.

RETURN TO
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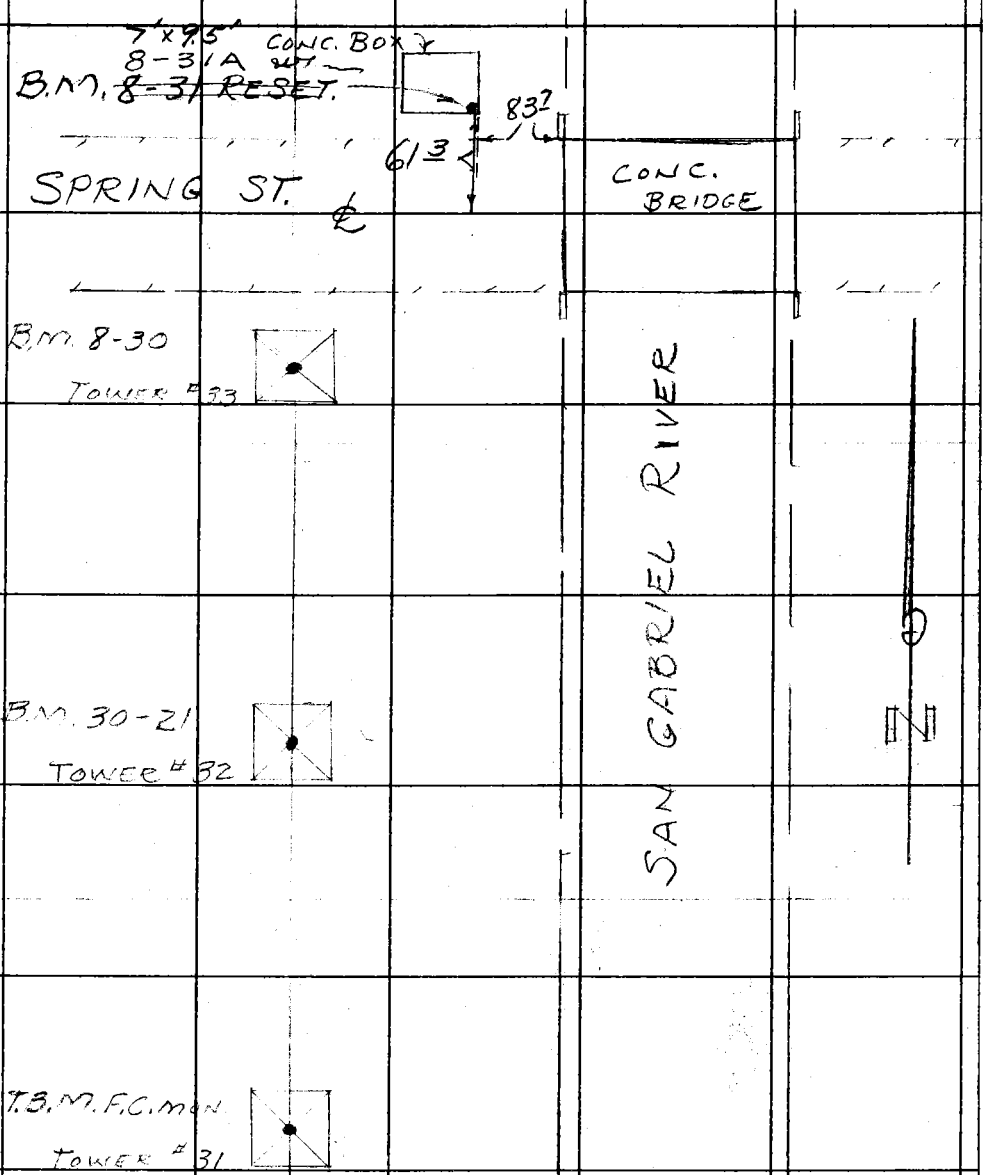
Notes Ck'd by	L.A. CO. PRECISE LEVEL NET
Map No.	Survey No. 4923 W. O. Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 5-18-53
Date	Indexed L. C. Johnson 10-13-53

F. B. 1390 Pg. 25



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ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1396 PG. 26

B.M. 30-23 (U.S. 4611) (LONG BEACH I-3)

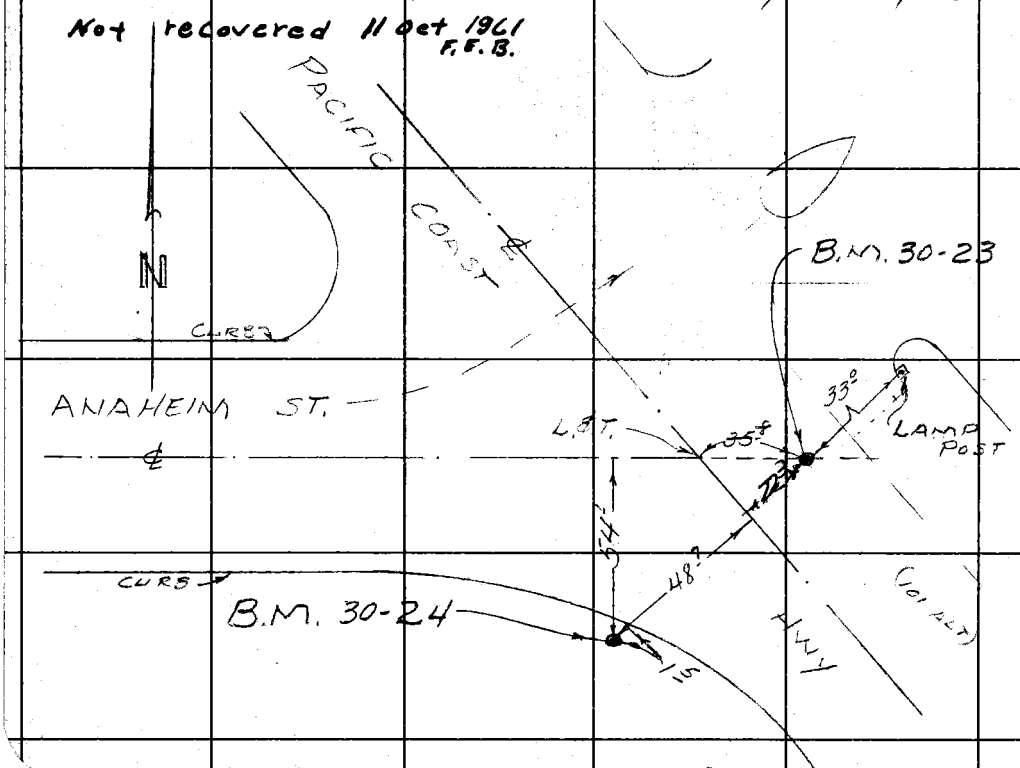
AT LONG BEACH, LOS ANGELES CO., AT THE INTERSECTION OF ANAHEIM ST & PACIFIC CST. ~~HWY~~ (U.S. 101 ALT.) ON THE EASTERLY PROLONGATION OF THE ℄ OF ANAHEIM ST. AND 22.3' NORTH-EAST OF THE ℄ OF THE PORTION OF THE HWY LEADING S.E. FROM THE INTERSECTION, A L.A. CO. SUR. CONTROL SYSTEM STANDARD DISK, STAMPED "LONG BEACH I-3 1940 COUNTY SURVEYOR RE. 2177" AND SET IN THE TOP OF A CONCRETE POST ABOUT 11" BELOW THE ST. SURFACE ACESS TO WHICH IS HAD THRU A PIPE WITH A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

1958 ADJ. ELEV. 55.537

B.M. 30-24 (U.S. 2185 G-51 RESET)

AT LONG BEACH, L.A. CO. AT THE S.W. COR. OF THE INTERSECTION OF ANAHEIM ST. & ~~HATHAWAY AVE~~ PAC. COAST HWY (U.S. 101 ALT.) AT THE INSIDE OF A CURVE, AT THE EDGE OF A GOLF COURSE, 49 FT. S.W. OF THE ℄ OF THE HWY 21.5 FT. S.E. OF POWER TRANSMISSION LINE POLE # 227951E, 1.5 FT. S.W. OF THE CURB, & 6.0 FT. S. OF A ROW OF POLES, A STD. DISK STAMPED "G-51 1926" & SET IN THE TOP OF A CONC. POST TO PROJECT ABOUT 2.8 FT. ABOVE GROUND. NOTE - THIS B.M. WAS ESTABLISHED BY THE STATE DIV. OF HWY IN MAY 1931.

Not recovered 11 Oct 1961 F.E.B.



RETURN TO
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726 LOS ANGELES COUNTY
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Notes Ck'd by	Survey of L.A. Co. PRECISE LEVEL NET
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 7-21-53
Date	Indexed [redacted]

F. B. 1596 PG. 29

B.M. 30-25 (U.S. 3899 Y 766)

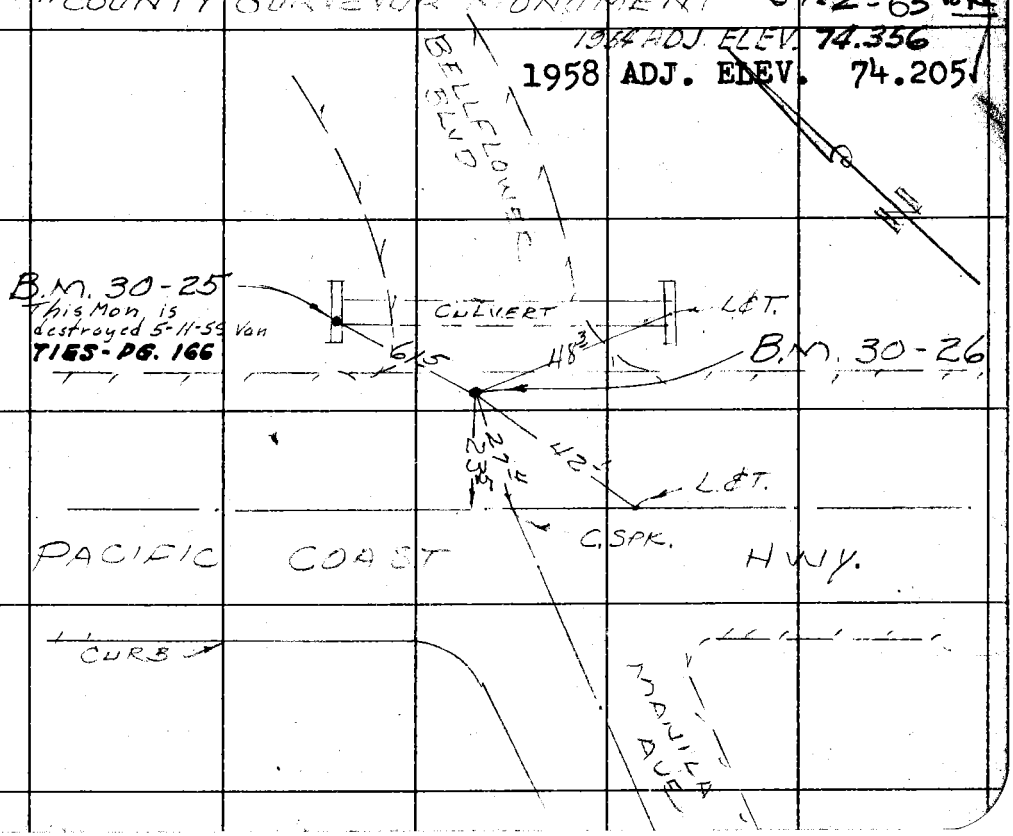
At Long Beach, L.A. Co., at the inter. of Pacific Cst. Hwy. (U.S. 101) & Bellflower Blvd., 41.6 ft. NE of the C.L. of the Hwy., 43.0 ft. W of the C.L. of Bellflower Blvd. at a culvert, in the headwall, & 2.1 ft. N of the S end. A Std. disk, stamped "Y 766. 1945."

B.M. 30-26 (U.S. 3900) Long Beach J 3 (L.A.C.)

At Long Beach, L.A. Co., at the intersec. of Pacific Cst. Hwy. (U.S. 101) & Bellflower Blvd. A L.A. Co. Survey Control-System Std. disk, set in the top of a conc. post abt. 1 foot below Sta. Level, access to which is had through an 8 in. iron pipe with a cast-iron cover marked "COUNTY SURVEYOR MONUMENT" Not Recovered 6-2-65 [illegible]

1964 ADJ. ELEV. 74.356

1958 ADJ. ELEV. 74.205



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RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1396 PG. 28

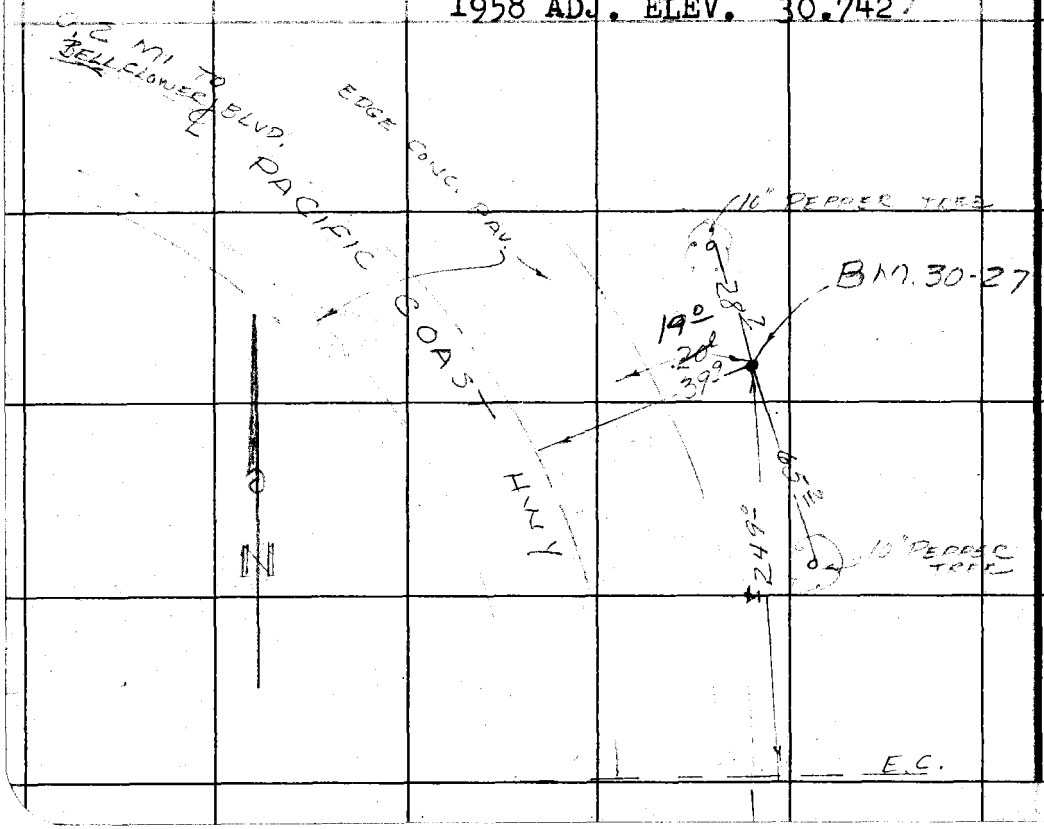
B.M. 30-27 (LONG BEACH J-4)

This station is in unincorp. terr. of L.A. Co. near the SE bndry of the City of Long Beach, in Pacific Cst. Hwy., abt 39.9 ft. westerly from the approx. C.L. of this Hwy., abt. 225 ft. northerly from the South end of Curve & abt. 0.10 mi north of Colorado St., in a well cut thru the pavement & protected by a cast iron cover marked "COUNTY ~~SURVEYOR~~ ENGINEER MONUMENT" Station Mark: A Std 4 in. brass tablet, inscribed "L.A. County Survey Control System Traverse Station Long Beach J-4 R.E. 2177 Set by County Surveyor 1940", was set in conc., 10 in. below the ground surface.

No Sub-surface mark.

Reference: FB. 923-163, 164.

1958 ADJ. ELEV. 30.742



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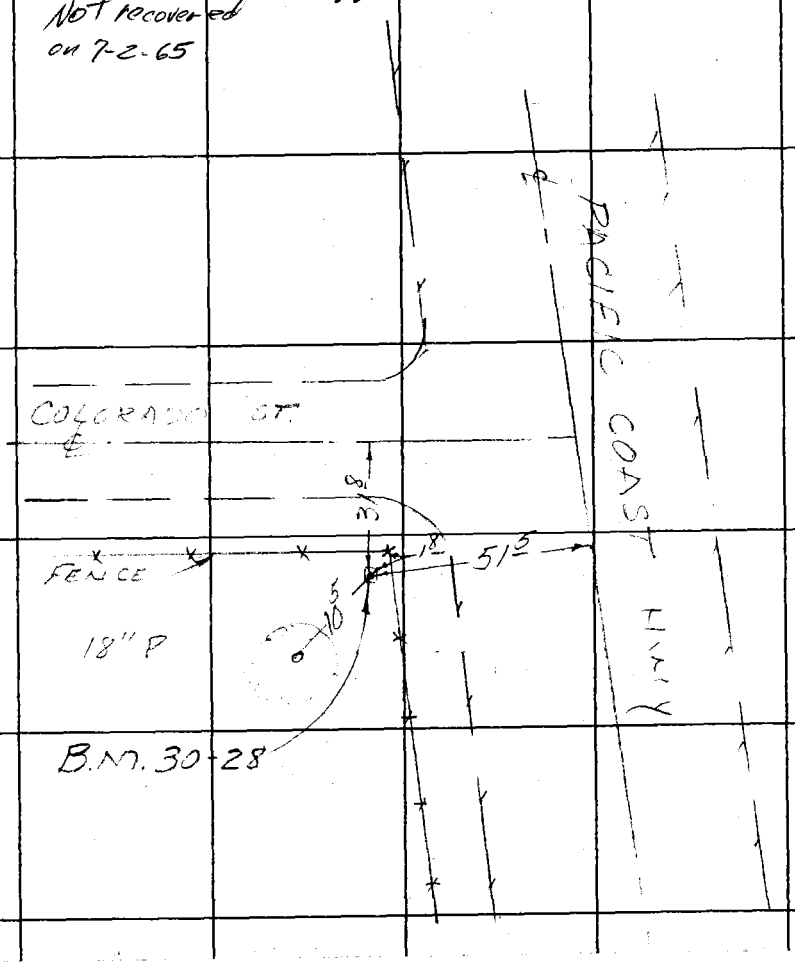
Notes Ck'd by	Survey of L.A. Co Precise Level Net
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date 7-21-53
Date	Indexed C. Johnson

F.B. 1396 Pg. 29

B.M. 30-28 (U.S. 2926 F-168) (F.C. B.M. 120 F168)
About 0.4 mi S.E. along Pacific Coast Hwy (U.S. 101) from the intersec. of Bellflower Blvd., at Long Beach, at the intersec. of Colorado St., 52.5 ft. W of the C.L. of the Hwy., 32.6 ft. S of the C.L. of the St., 1.8 ft. SW of a fence Cor., and 1 ft. W of a white wooden witness post. A Std. disk, stamped "F 168 1933" and set in the top of a conc. post.

1958 ADJ. ELEV. 17.785

Not recovered on 7-2-65



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726 LOS ANGELES COUNTY
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76F309S 247 2-51

F. B. 1396 PG. 30

B.M. 30-29 (F.C.B.M. 120-1)

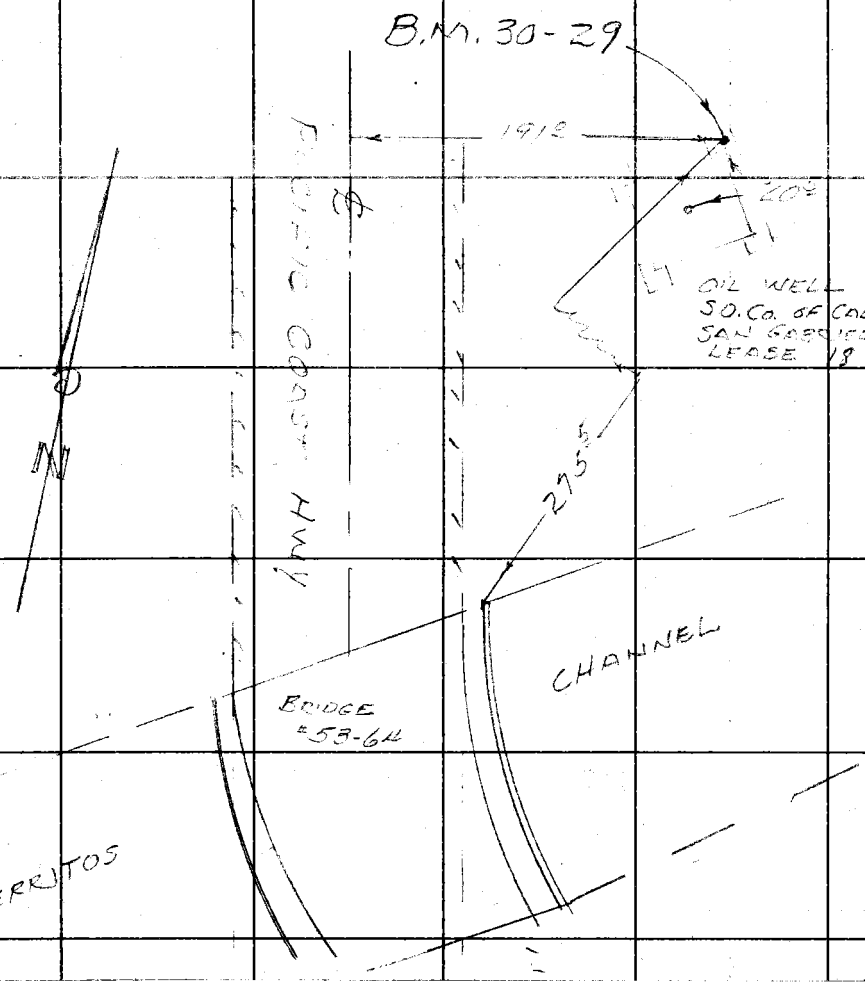
Los Cerritos Channel at Pacific ~~State St.~~ Cst. Hwy. Approx. 200 ft. N'ly of State St. Bridge over ~~Cerritos~~ Cerritos Ch. and 150 ft ± E of State St.
On top of most N'ly conc. footing for oil derrick. Set Std. F.C. Disc in Sulphur.

Not recovered
11 Oct 1961 F.E.B.

1958 ADJ. ELEV. 6.012✓

derrick & Footings have been removed

see pg 176



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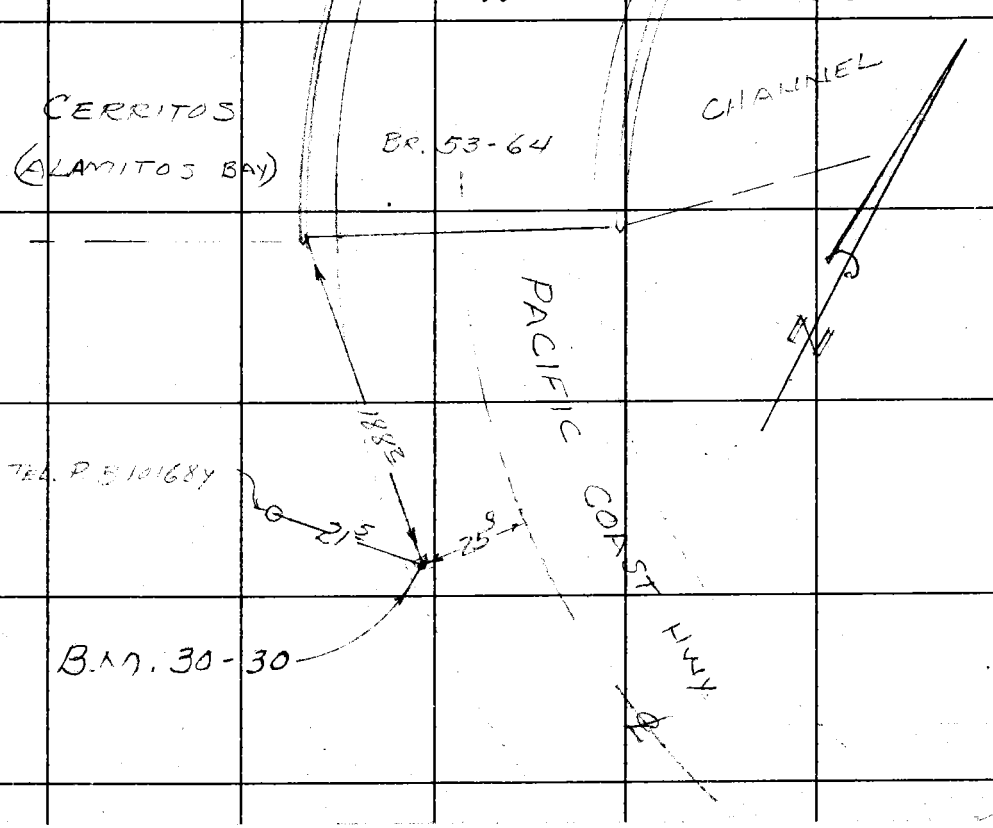
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date 7-21-55
Date	Indexed A. C. Johnson

F. B. 1896 Pg. 31

B.M. 30-30 (LONG BEACH K-5)
This station is in the city of Long Beach, in Pacific Cst. Hwy., 6.0 ft. S W'ly from the SW edge of Conc. pavement and 188.5 ft S.E'ly from the most S'ly point of bridge No 5364 over Alamitos Bay.
Station Mark: A Std. 4 in brass tablet, inscribed "L.A. Co. Survey Control System Reverse Station Long Beach K-5 R.E. 2177 Set by County Surveyor 1940." was set in conc. 0.3 ft. below the ground surface.
No sub-surface mark.
Reference: F.B. 923-167, 168

See pg 176 for new description F.E.B.

1958 ADJ. ELEV. 8.812 ✓



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76F309S 247 2-51

F. B. 1396 PG. 32

B.M. 30-31 (LONG BEACH K-6)

This Station is in unincorp. terr. of L.A. Co. in Pacific Cst. Hwy. abt. 1241 ft. N.W'ly from the Conc. bridge on Pacific Cst. Hwy over the L.A. Co. Flood Control Channel of the San Gabriel River, 510 ft N.E'ly from the N.E. edge of pavement & 351.1 ft. N.W'ly from the N.W face of the Standard Oil Refinery Sheet iron Bldg. Produced NE'ly

Station Mark: A Std. 2 in brass tablet inscribed "L.A. Co. Survey Control System Traverse Station Long Beach K-6 R.E. 2177 Set by County Surveyor 1960", was set in conc., 2 in below the sidewalk of St.

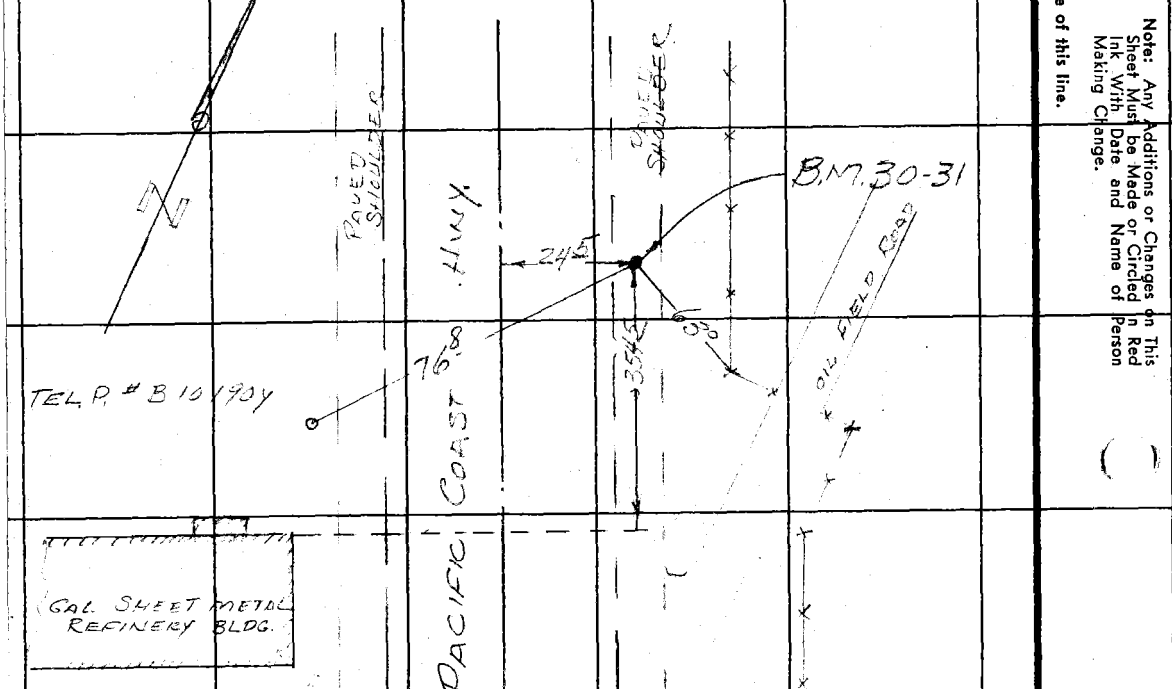
No Sub-Surface mark.

Reference: F.B. 923-169, 170

NOTE 4-12-54 / MON. IS NOW STAMPED "LONG BEACH Not recovered K-6 [illegible] G.E.O.

11 Oct 1961 / F.E.B

1958 ADJ. ELEV. 7.113



RETURN TO
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Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 7-21-53
Date	Indexed C. Johnson

F. B. 1396 Pg. 33

Note This bridge is being raised aprox. 6 ft. 11 oct 1961 F.E.B.

Bridge O.K. 7-6-65 Voge

B.M. 30-32* (LONG BEACH L-6)

This Station is in the City of Long Beach, on the walk in the NW Cor. of the conc. bridge on ~~Hathaway Ave.~~ Pacific Cst. Hwy. (U.S. 101) over the L.A. Co. F.C. Channel of the San Gabriel River, 176 ft S'ly from the N end of Bridge.

Station Mark: A Std. 4 in brass tablet, inscribed "L.A. Co. Survey Control System Triangulation Station Long Beach L-6 RE 2177 Set by County Surveyor 1937," was set in conc. walk of conc. bridge.

1958 ADJ. ELEV. 15.314

* Redesignate as BM 30-32 C. - Elevation changed 3/7/66

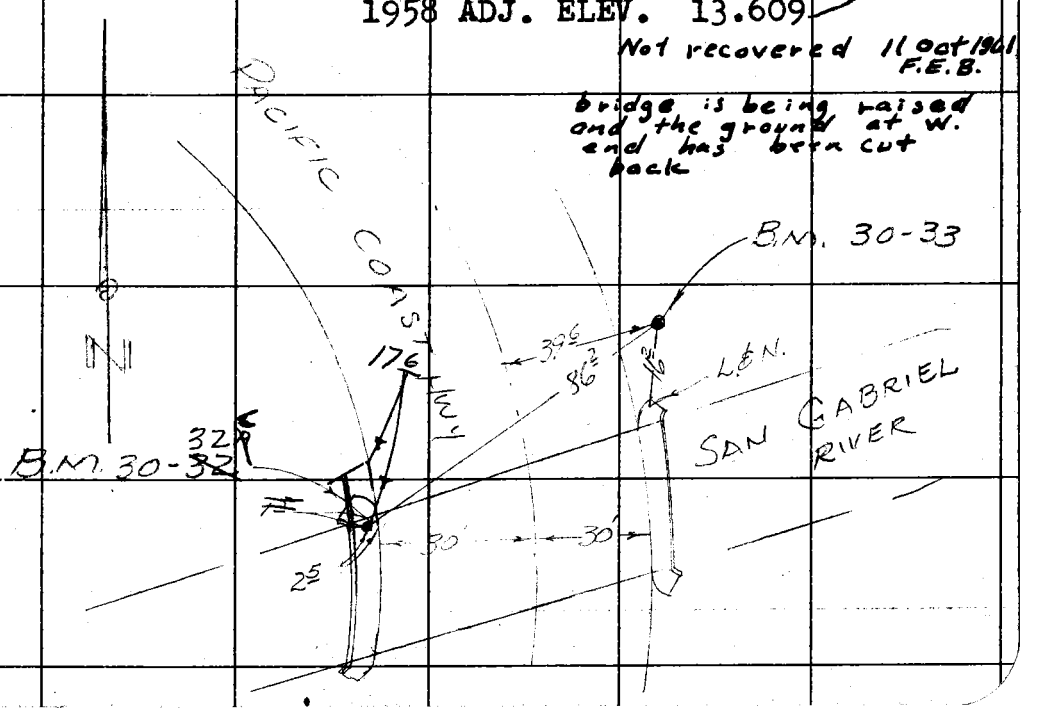
B.M. 30-33 (LONG BEACH L-6 R.M. #1)

PACIFIC COAST HWY AND SAN GABRIEL RIVER, N.E. COR., A STD. CO. TRAVERSE STATION REFERENCE MONUMENT 12" BELOW THE SURFACE, 39.6 FT E'LY FROM ℄ HWY. AND 16.2 FT. N'LY FROM L.&T. NEAR N. END OF BRIDGE WALK.

1958 ADJ. ELEV. 13.609

Not recovered 11 oct 1961 F.E.B.

bridge is being raised and the ground at W. end has been cut back



F.B. 3705-173

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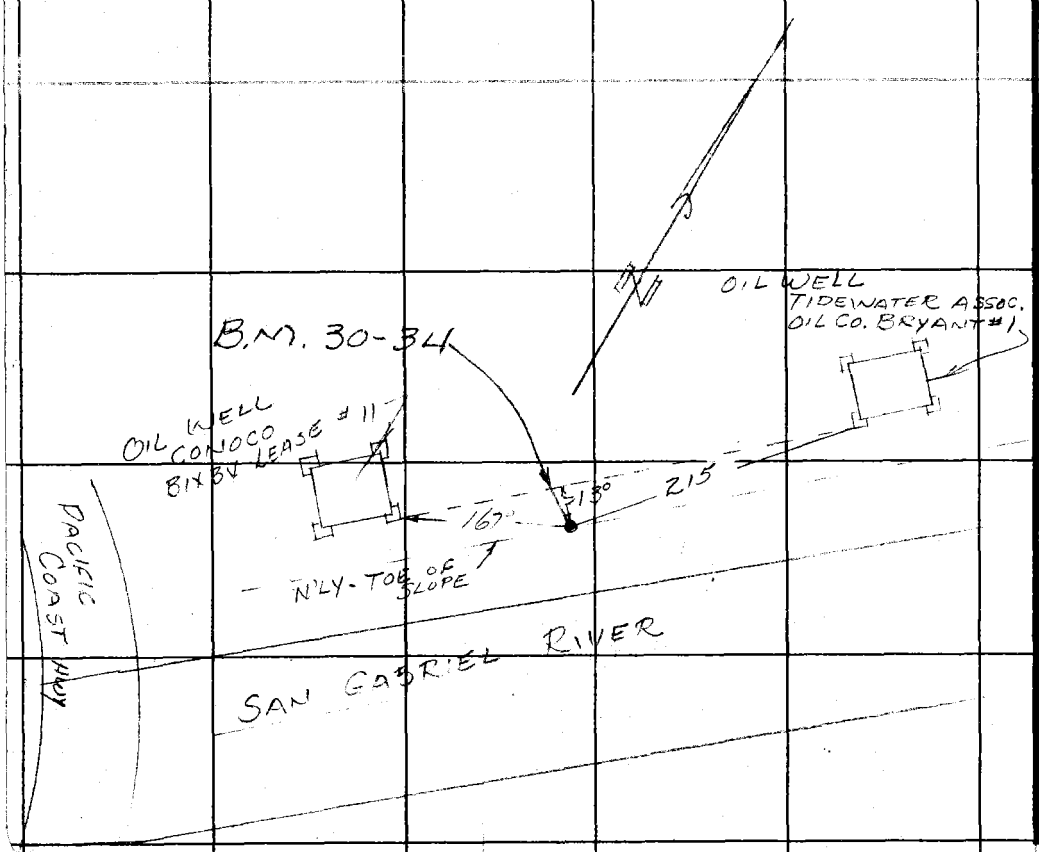
76F309S 247 2-51

F. B. 1396 PG. 34

B.M. 30-34 (F.C. B.M. 72-9A)
San Gabriel River, On the West side of River, 1150 ft ± North of Pacific Cst. Hwy. 800 ft ± South of wooden bridge.
On F.C. West R/W, a F.C. precast monument stamped B.M "72-9A, 1950"
2" I.P. marker 2' NorthEAST

1958 ADJ. ELEV. 3.585

Not recovered on 7-6-65 Co. Voge



RETURN TO
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Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 10-7-53
Date	Indexed C. Johnson

F. B. 1396 PG. 35

B.M. 30-35 (F.C. B.M. 72-31)

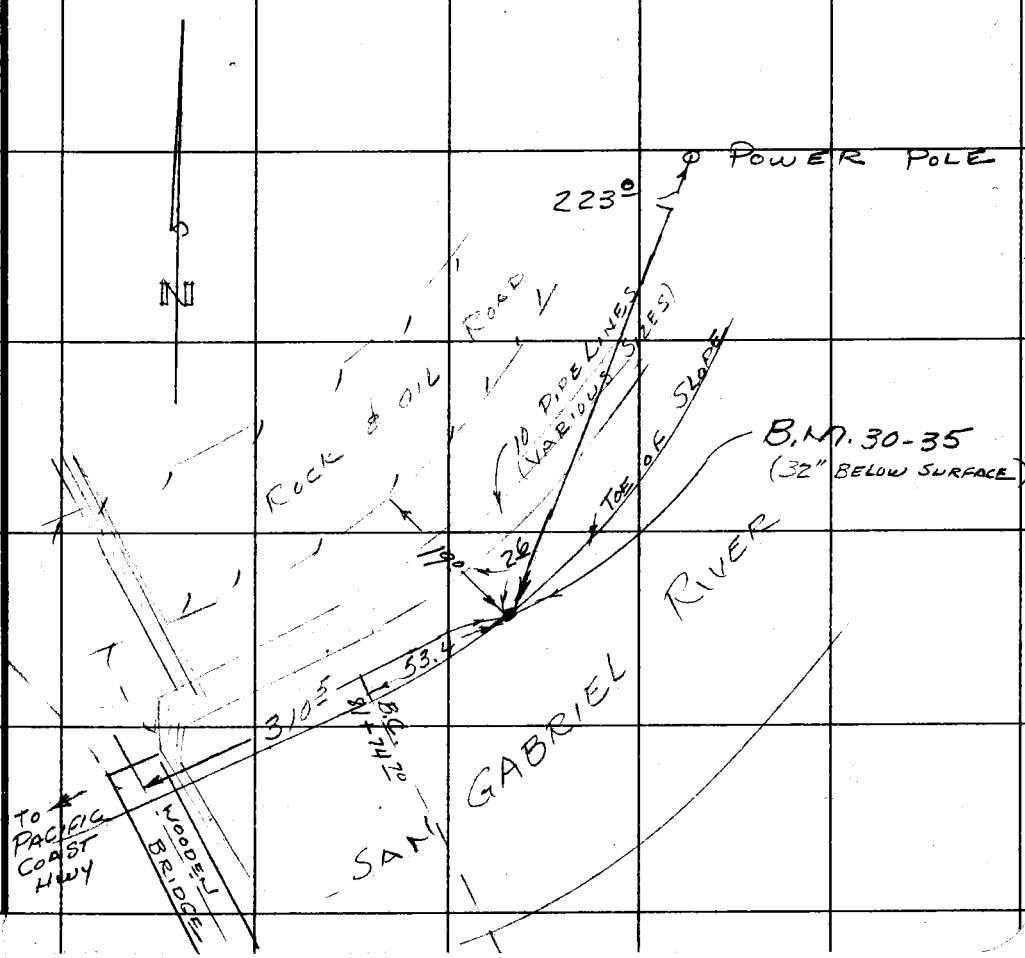
SAN GABRIEL RIVER, ON W. R/W LINE, APPROX. ~~450~~ 310.5 FT. N. OF PRIVATE WOODEN BRIDGE, 53.40 FT. UPSTREAM FROM COMPARATIVE SECTION STA. 81+74.74 (B.C.)

A ST'D F.C. MONUMENT STAMPED B.M. 72-31

1958 ADJ. ELEV. 3.604

This pt. is 3.5 ft below pipes lines FEB

Not Recovered on 7-6-65 Vope



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F.B. 1396 PG. 36

Not Recovered on 7-2-65 vage

B.M. 30-36 (F.C. B.M. 72-47)

SAN GABRIEL RIVER, COMPARATIVE SECTION STA. 105+37.77, ON THE WEST RIGHT OF WAY LINE APPROX. 4000' SOUTH OF ANAHEIM ROAD AT THE UPPER END OF A LONG CURVE. (STA. 105+37.77 IS 107.1' UPSTREAM FROM BUREAU OF POWER AND LIGHT TOWER NO. 11) A STD. F.C. DISC IN A CONC MON. STAMPED B.M. 72-47

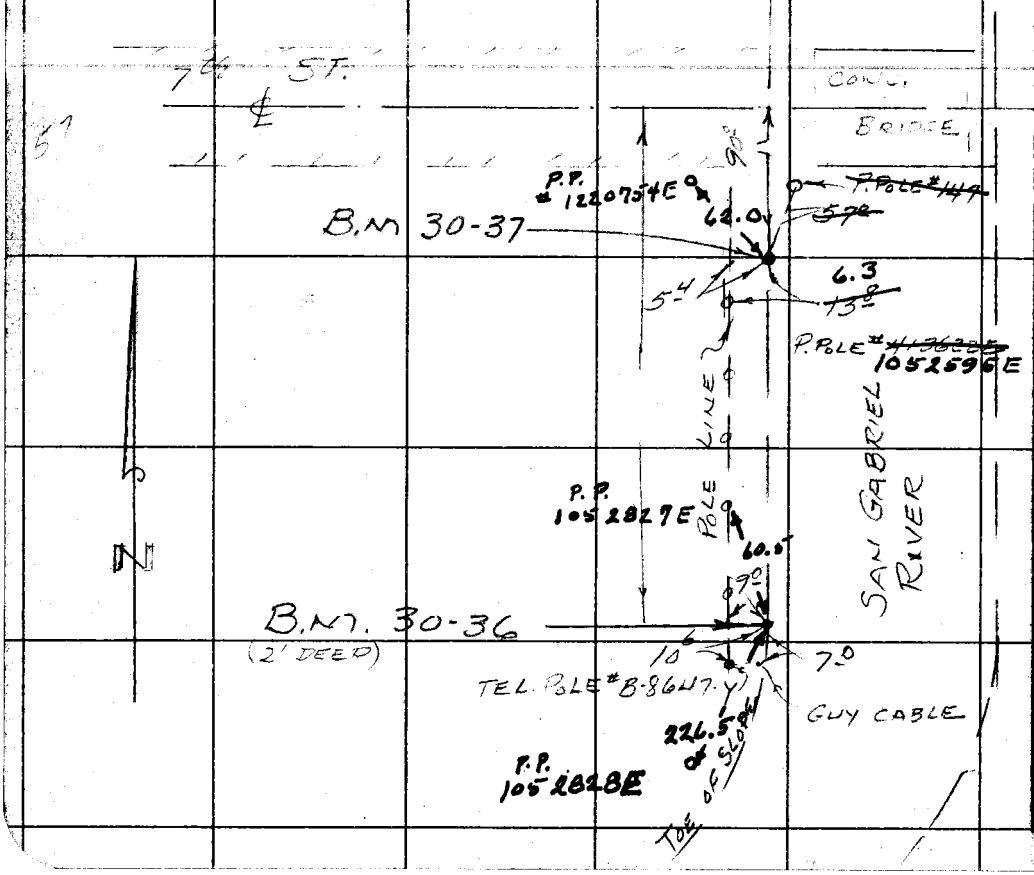
1958 ADJ. ELEV. 5.301

B.M. 30-37

SAN GABRIEL RIVER, W. SIDE, AND 7th ST. SOUTH SIDE A STD. F.C. DISC SET IN CONC. 4' BELOW SURFACE, 2.0 S. OF WITNESS PIPE, 6.3 FT. S.E. OF POWER POLE # 1052595E, 62.0 FT. S'LY FROM P. POLE # 1220754E AND 90° FT. SOUTH OF ℄ 7th ST., STAMPED W. R. W. P.O.T.

F.E.B. 10 Oct 1961

1958 ADJ. ELEV. 8.582



RETURN TO
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FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 7:00 TO 10:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-39 To B.M. 20-1
Date 4-27-53
Indexed C. Johnson 5-14-53

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
	4.438		.059		5	4.849		.068		B.M. 8-39 (U.S. 3953 + 780)
	4.379		.060			4.781		.069		SPRING ST. & LAKEWOOD BLVD
	4.319		.119			4.712		.137		SEE F.B. 1209-33
1	13.136	4.379		.119	63°	14.342	4.781		.137	FOR DESCRIPTION
										B.M. 8-38 (CLEARWATER G-11)
										SPRING ST. & LAKEWOOD BLVD
										SEE F.B. 1209-33
										FOR DESCRIPTION
	4.354		.221			5.281		.222		
	4.133		.217			5.059		.220		T. E. LANDA
	3.916		.438			4.839		.442		
2	12.403	4.134		.557		15.179	5.060		.579	
	4.698		.214			5.073		.216		
	4.484		.212			4.857		.212		
	4.272		.426			4.645		.428		
3	13.454	4.485		.983		14.573	4.858	30	1.007	
	4.714		.214			5.020		.217		
	4.500		.211			4.803		.215		
	4.289		.425			4.588		.432		
4	13.503	4.501		1.408		14.411	4.804	41	1.439	
		17.499					19.503			

F.B. 1396 PG. 37

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FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 9:00 TO [illegible] Rod No. C86

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-39 To B.M. 30-1
Date 4-27-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.737	17.499 ✓	219	1.408 ✓		5.050	17.933 ✓	210	1.439 41	
	4.518		215			4.840		209		
	4.303		434			4.631		419 ✓		
5	13.558	4.519		1.842 ✓		14.521 ✓	4.840 ✓		1.858 60	
	4.736		214			4.670		214		
	4.522		211			4.456		213		SUMMATION OF RUN
	4.311		425			4.243		427 ✓	7	B.M. 8-39 TO B.M. 30-1
6	13.569	4.523		2.267 ✓		13.369 ✓	4.456 ✓		2.285	
	4.845		216			4.843		213		TOTAL BACKSIGHTS +41.244 ✓
	4.632		213			4.630		211		TOTAL FORESIGHTS -43.697 ✓
	4.419		429			4.419		424 ✓	11	DIFF IN ELEVATION - 2.453 ✓
7	13.899	4.633		2.696 ✓		13.892 ✓	4.631 ✓		2.709	
	5.111		213			4.458		215		
	4.898		214			4.243		211		
	4.684		427			4.032		426 ✓	7	
8	14.693	4.898		3.123 ✓		12.735 ✓	4.245 ✓		3.135	
	5.338		166			6.189		168		B.M. 30-1 CLEARWATER 6-12
	5.172		165			6.021		164		LAKEWOOD BLVD N. OF WILLOW ST.
	5.007		331			5.857		332 ✓	9	SEE F.B. 1396-6
9	15.517	5.172		3.454 ✓	63°	18.067 ✓	6.022 ✓		3.467	FOR DESCRIPTION
		41.244 ✓					43.697 ✓			

F.B. 1396 PG. 38 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 11:30 to 12:00 Rod No. 536

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-1 To B.M. 8-39
Date 4-28-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6293		163		#6	5447		165		B.M. 30-1 (CLEARWATER G-12)
	6130		163			5282		163		LAKEWOOD BLVD, N. OF WILLOW ST.
	5967		326			5119		328		SEE F.B. 1396-6
1.	18,390	6.130		.326	70°	15,848	5.283		.328	FOR DESCRIPTION
	4644		213			5300		212		
	4431		212			5088		213		☆ G.E. DREIER
	4219		425			4875		425		
2.	13,294	4.431		.751		15,263	5.088		.753	
	4930		211			4931		213		
	4719		211			4718		213		
	4508		422			4505		426		
3.	14,157	4.719		1.173		14,154	4.718		1.179	
	4737		213			4802		211		
	4524		212			4591		211		
	4612		425			4380		422		
4.	13,573	4.524		1.598		13,773	4.591		1.601	
	5130		213			4806		213		
	4917		213			4593		210		
	4704		426			4383		423		
5.	14,751	4.917		2.024		13,782	4.594		2.024	
		24,721					24,274			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 11:30 to 12:10 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-1 To B.M. 8-39
Date 4-28-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.050	24.721	215	2.024		4.745	24.[illegible]74	213	2.024	
	4.835		214			4.532		211		
	4.621		429			4.321		424		
6.	14.506	4.835		2.453		13.598	4.[illegible]33		2.448	
	5.112		213			4.738		214		
	4.899		214			4.524		212		SUMMATION OF RUN
	4.685		427			4.312		426		B.M. 30-1 TO B.M. 8-39
7.	14.696	4.899		2.880		13.574	4.525		2.874	
	5.262		226			4.332		218		TOTAL BACKSIGHTS + 44.403
	5.042		220			4.114		217		TOTAL FORESIGHTS - 41.949
	4.822		440			3.892		435		DIFF IN ELEVATION + 2.454
8.	15.126	5.042		3.320		12.343	4.[illegible]4		3.309	
		39.497					31.446			B.M 8-38 (CLEARWATER G-11) LAKEWOOD BLVD & SPRING ST SEE F.B. 1209-33 FOR DESCRIPTION
	4.973		067			4.564		061		B.M 8-39 (U.S. 3953 H-784) LAKEWOOD BLVD & SPRING ST SEE F.B. 1209-33 FOR DESCRIPTION
	4.906		066			4.503		061		
	4.840		133			4.442		122		
9.	14.719	4.906		3.453	68°	13.509	4.503		3.431	
		44.403					41.949			

F.B. 1396 PG. 38 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 G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 10:00 TO 10:55 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-1 To B.M. 30-2A
Date 4-27-53
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
	6.563		210		E 6	4.476		216		B.M. 30-1 (CLEFORD WEBB G-12)
	6.353		209			4.260		212		LAKEWOOD BLVD N. OF WILLOW ST
	6.144		419			4.048		428		SEE F.B. 1396-6
1	12.060	6.353		419	60°	12.784	4.261		428	FOR DESCRIPTION
	4.746		218			6.060		221		
	4.528		219			5.839		219		T E. LANDA
	4.309		437			5.620		440		
2	13.583	4.528		856		17.519	5.840		868	
	3.350		213			5.397		215		
	3.137		212			5.182		211		
	2.925		425			4.971		426		
3	9.412	3.137		1281		15.550	5.183		1294	
	5.183		213			5.551		215		
	4.970		210			5.336		217		
	4.760		423			5.119		432		
4	14.913	4.971		1.704		16.006	5.335		1.726	
	5.010		212			5.376		214		
	4.798		214			5.162		212		
	4.584		426			4.950		426		
5	14.392	4.797		2.130		15.488	5.163		2.152	
		23.786					25.782			

F.B. 1396 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 G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 10:55 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-1 To B.M. 30-2A
Date 4-27-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.858	23.786	218	2.130		5.433	25.782	211	2.152	
	4.640		214			5.222		207		
	4.426		432			5.015		428		
6	13.924	4.641		2.562		15.670	5.223		2.580	
	4.908		215			5.351		214		
	4.693		211			5.137		215		
	4.482		426			4.922		429		
7	14.083	4.694		2.988		15.410	5.137		2.999	
	4.813		216			5.275		207		
	4.597		216			5.068		208		
	4.381		432			4.859		416		
8	13.791	4.597		3.420		15.202	5.067		3.425	
	4.752		213			5.642		212		
	4.539		212			5.430		213		
	4.327		425			5.217		425		
9	13.618	4.539		3.845		16.289	5.430		3.850	
	5.712		212			5.620		212		
	5.500		212			5.408		211		
	5.288		424			5.197		423		
10	16.500	5.500		4.269		16.225	5.408		4.273	
		47.757					52.047			

F.B. 1376 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 G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 10:00 TO 10:55 Rod No. 5.56

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-1 To B.M. 30-2A
Date 4-27-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.505	4.757	168	4.269		6.004	6.047	135	4.273	
	4.340		166			6.306		137	6	
	4.172		334			6.169		275		
11	13.022	4.341		4.603		18.919	6.306		4.548	
		52.098					58.353		3	B.M. 30-2 (R.M. 1 CLEARWATER I-12) WILLOW ST & CLARK AVE. SEE F.B. 1396-7 FOR DESCRIPTION
	6.213		33			6.902		51		B.M. 30-2A (R.M. 42 CLEARWATER I-12) WILLOW ST & CLARK AVE. SEE F.B. 1396-7 FOR DESCRIPTION
	6.180		33			6.851		51		
	6.127		66			6.800		102	4	
12	18.540	6.180		4.669	60°	20.553	6.851		4.650	
										SUMMATION OF RUN B.M. 30-1 TO 30-2A
										TOTAL BACKSIGHTS - 58.278 TOTAL FORESIGHTS - 65.204 DIFF IN ELEVATION - 6.926
		58.278					65.204			

F.B. 1396 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..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name L. A. CO. PRECISE LEVEL NET
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. 1396 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 G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by R. HEMPELING Time 10:00 To 10:45 Rod No. 576

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-1 To B.M. 30-2
Date 5-8-53
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
	6.590		210		#5	4.503		215		B.M. 30-1 (CLEARWATER 8-12)
	6.380		210			4.288		213		LAKEWOOD BLVD. N. OF WILLOW ST
	6.170		420			4.075		428		SEE F.B. 1396-6
1.	19.140	6.380		420	66°	12.866	4.289		428	FOR DESCRIPTION
	4.950		222			6.059		220		
	4.530		218			5.839		218		T.E. LANDA
	4.312		438			5.621		438		
2.	13.592	4.531		858		17.519	5.840		866	
	3.380		212			5.418		213		
	3.170		213			5.205		212		
	2.957		425			4.993		425		
3.	9.507	3.170		1.283		15.616	5.205		1.291	
	5.393		214			5.766		216		
	5.179		211			5.550		216		
	4.968		425			5.334		432		
4.	15.540	5.180		1.708		16.650	5.550		1.723	
	5.383		213			5.743		214		
	5.170		210			5.529		211		
	4.960		423			5.318		425		
5.	15.513	5.171		2.131		16.590	5.530		2.148	
		24.432					26.414			

F.B. 1396 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 G. F. DREIER Weather CLOUDY Inst. No. 50010
Notes by R. HEMPERING Time 10:00 to 10:15 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4933
From B.M. 30-1 To B.M. 30-2
Date 5-8-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.290	24.432	215	2.131		5.873	[illegible]	215	2.148	
	5.075		211			5.658		214		
	4.864		426			5.444		427		
6	15.229	5.076		2.557		16.975	5.58[illegible]		2.577	
	5.118		221			5.543		210		
	4.897		219			5.333		206		
	4.678		440			5.127		416		
7	14.693	4.898		2.997		16.6[illegible]	[illegible]		2.993	
	4.801		211			5.275		212		
	4.590		211			5.063		[illegible]		
	4.379		422			4.852		423		
8	13.770	4.590		3.419		15.190	5.063		3.416	
	4.783	3.996	215			5.670	4.869	215		
	4.568		211			5.455		213		
	4.357		426			5.242		428		
9	13.708	4.569		3.845		16.367	5.456		3.844	
	5.204		213			5.617		214		
	5.491		212			5.403		211		
	5.279		425			5.192		425		
10	16.474	5.491		4.270		16.212	5.404		4.269	
		49.056					5.329			

F.B. 1396 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 G. E. DREIER Weather CLOUDY Inst. No. 50010
Notes by R. HEMPFLING Time 10:00 TO 10:45 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-1 To B.M. 30-2
Date 5-8-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.619	49.056	168	4.270		6.550	53.229	140	4.269	B.M. 30-2 (RM #1 CLEARWATER I-12)
	4.451		166			6.410		137		WILLOW ST. & CLARK AVE.
	4.285		334			6.273		277		SEE F.B. 1396-7
11	13.355	4.452		4.604	66°	19.233	6.411		4.546	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 30-1 TO B.M. 30-2
										TOTAL BACKSIGHTS = +53.508
										TOTAL FORESIGHTS = −59.740
										DIFF. IN ELEVATION −6.232
		53.508					59.740			

F.B. 1396 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L. A. CO. PRECISE LEVEL NET
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. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 52010
Notes by R. HEMPELING Time 10:35 to 11:30 Rod No. 546

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-2A To B.M. 30-1
Date 4-28-53
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
	6.852 6.811 6.770		.041 .041 .082		#6	6.183 6.139 6.095		.044 .044 .088		B.M. 30-2A (R.M. #2) (CLEARWATER I-12) WILLOW ST. + CLARK AVE. SEE F.B. 1396-7 FOR DESCRIPTION
1.	20.433	6.811		.082	70°	18.417	6.139		.088	
										B.M. 30-2 (R.M. #1) (CLEARWATER I-12) WILLOW ST. + CLARK AVE. SEE F.B. 1396-7 FOR DESCRIPTION
	6.125 5.986 5.845		.139 .141 .286			4.983 4.819 3.655		.164 .164 .328		T G.E. DREIER
2.	17.956	5.985		.362		12.057	4.019		.416	
	5.730 5.519 5.308		.211 .211 .422			5.399 5.611 5.823		.212 .212 .423		
3.	16.558	5.519		.783		16.833	5.611		.847	
	5.518 5.206 5.081		.296 .325 .451			4.918 4.218 4.512		.201 .211 .406		
4.	16.319	5.206		1.234		14.153	4.718		1.240	
		23.921					20.487			

F.B. 1396 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 C. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 10:35 to 11:30 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-2A To B.M. 30-1
Date 4-28-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.400	23.921	212	1.234		4.932	20.487	211	1.240	
	5.188		210			4.721		210		
	4.973		422			4.511		421		
5.	15.566	5.189		1.656		14.164	4.721		1.661	
	5.425		215			4.932		212		
	5.210		212			4.770		212		
	4.998		420			4.558		424		
6.	15.633	5.211		2.083		14.310	4.770		2.085	
	5.604		213			5.021		211		
	5.391		213			4.810		211		
	5.178		426			4.599		422		
7.	16.173	5.391		2.509		14.430	4.810		2.507	
	5.459		213			5.103		212		
	5.246		211			4.891		213		
	5.035		424			4.678		425		
8.	15.740	5.247		2.933		14.672	4.891		2.932	
	5.609		215			5.241		213		
	5.394		214			5.028		211		
	5.180		429			4.817		424		
9.	16.183	5.394		3.362		15.086	5.029		3.356	
		50.353					44.708			

F.B. 1396 PG. 48

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 G. E. DREES Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 10:35 TO 11:30 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-2A To B.M. 30-1
Date 4-28-53
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
	5.736	50.353	212	3.362		3.695	44.705	213	3.356	
	5.524		212			3.482		213		
	5.312		434			3.269		452		
10	16.572	5.524		3.786		10.446	3.482		3.782	
	6.184		216			4.878		219		
	5.968		212			4.659		219		
	5.751		433			4.440		438		
12	17.903	5.968		4.219		13.977	4.659		4.220	
	4.545		214			6.634		207		B.M. 30-1 (CLEARWATER G-12)
	4.331		212			6.427		205		LAKEWOOD BLVD. N. OF WILLOW ST.
	4.119		426			6.214		415		SEE F.B. 1396-6
12	12.995	4.332		4.645	70°	19.280	6.427		4.635	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 30-2A TO B.M. 30-1
										TOTAL BACKSIGHTS = 66.177
										TOTAL FORESIGHTS = 59.276
										DIFF. IN ELEVATION = + 6.901
		66.177					59.276			

F.B. 1396 PG. 49

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L. A. CO. PRECISE LEVEL NET
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. 1396 PG. 50										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. Dreier Weather Overcast Inst. No. 50010
Notes by E. Landa Time 11:00 to 11:40 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-2A To B.M. 30-3
Date 4-27-53
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
	8010		211		#6	6198		209		B.M. 30-24 (R.M. #2 Clear Water
	7799		209			5987		210		Willow St & Clark Ave.
	7590		420			5777		419		See F.B. 1396-7
	13399	7.800		420	60°	17962	5.987	21	421	for description
	5360		212			5791		214		
	5148		212			5577		214		G.E. Dreier
	4936		424			5363		428		
2	15444	5.148		844		16731	5.577		849	
	5329		209			5757		214		
	5120		209			5545		213		
	4911		418			5332		427		
3	15360	5.120		1262		16634	5.545		1276	
	5[illegible]		212			5709		213		
	5028		214			5496		216		
	4814		426			5280		429		
4	15082	5.027		1688		16485	5.495		1705	
	5305		210			5337		215		
	5095		210			5122		212		
	4885		420			4910		427		
5	15285	5.095		2108		15369	5.123		2132	
		28.190					27.727			

F.B. 1396 PG. 51

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. Dreier Weather Overcast Inst. No. 50010
Notes by E. Landa Time 11:00 To [illegible] Rod No. 5[illegible]6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-24 To B.M. 30-3
Date 4-27-53
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
6	5898 5679 5462 17039	28.190 5.680	219 217 436	2108 2544		5331 5122 4913 15366	2[illegible] 2 5.1[illegible]	209 209 418	2130 2 2548	
7	5832 5620 5409 16861	5.620	212 211 423	2967		5513 5301 5090 15904	5.301	212 211 423	2971	
8	5463 5251 5040 15754	5.251	212 211 423	3390		5747 5530 5313 16590	5.530	217 217 434	3405	Summation of Run B.M. 30-24 to B.M. 30-3
9	5350 5209 5067 15626	5.209	141 142 283	3673		5693 5560 5427 16680	5.560	133 133 266	3671	Total Backsights = + 55.514 Total Foresights = 55.1[illegible] Diff. in Elev. = + 0.413
10	5740 5565 5382 16693	5.564 55.514	181 183 364	4037		6045 5860 5678 17583	[illegible] 55.[illegible]41 0	185 182 367	4038	B.M. 30-3 (CITY OF L.B.) CLARK AVE & STEARNS ST. SEE F.B. 1396-8

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 10:00 TO 10:35 Rod No. 5+6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-3 To B.M. 30-24
Date 4-28-53
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
	6.066		185		#6	5.763		181		B M 30-3 (CITY FL.B)
	5.881		182			5.582		180		CLARK AVE & STEARNS ST
	5.697		367			5.402		361		SEE F.B. 1396-8
1.	17.646	5.882		367	66°	16.747	5.582		361	FOR DESCRIPTION
	5.722		138			5.370		138		
	5.584		137			5.232		137		⊼ G.E. DREIER
	5.447		275			5.095		275		
2.	16.753	5.584		642		15.697	5.232		636	
	5.743		216			5.457		213		
	5.527		216			5.244		211		
	5.311		432			5.033		424		
3.	16.581	5.527		1,074		15.734	5.245		1,060	
	5.[illegible]		213			5.792		212		
	5.259		211			5.580		212		
	5.048		424			5.368		424		
4.	15.779	5.260		1,498		16.740	5.580		1,484	
	5.313		213			5.868		214		
	5.100		212			5.654		211		
	4.888		425			5.443		425		
5.	15.301	5.100		1,923		16.965	5.655		1,909	
		27.353					27.294			

F.B. 1396 PG. 53

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 10:00 to 10:45 Rod No. 546

Name **L. A. CO. PRECISE LEVEL No 4**
Job No. 4923
From B.M. 30-3 To B.M. 30-24
Date 4-22-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.366	5.352	213	1,923		5.343	5.334	212	1,909	
	5.153		213			5.131		211		
	4.940		426			4.920		423		
6	15.459	5.153		2,349		15.394	5.131		2,332	
	5.826		209			5.343		216		
	5.617		209			5.147		212		
	5.408		418			4.930		423		
7	16.851	5.617		2,767		15.440	5.147		2,065	SUMMATION OF RUN B.M. 30-3 TO B.M. 30-24
	5.996		214			5.361		211		TOTAL BACKSIGHTS +55,339
	5.582		212			5.158		202		TOTAL FORESIGHTS -55,749
	5.369		427			4.956		419		DIFF IN ELEVATION -0.410
8	16.947	5.582		3,194		15.477	5.159		3,184	
	5.837		214			5.409		213		
	5.623		213			5.196		213		
	5.410		427			4.983		426		
9	16.870	5.623		3,621		15.588	5.196		3,610	
	6.220		209			8.032		210		B.M. 30-24 (R.M. #2 CLEARWATER I-12)
	6.011		208			7.822		209		WILLOW ST & CLARK AVE
	5.803		417			7.613		419		SEE F.B. 1396-7
10	18.034	6.011		4,038	70°	23.467	7.822		4,029	FOR DESCRIPTION
		55.339					55.749			

F.B. 1396 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 G.E. Dreier Weather Overcast Inst. No. 50010
Notes by E. Landa Time 11:40 to 2:15 Rod No. [illegible]

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-3 To B.M. 30-5
Date 4-27-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	5679 5471 5260 16410	5.470	208 211 419	419	46 60°	6038 5819 5602 17459	5.820	219 217 432	436	B.M. 30-3 (CITY OF L.B.) CLARK AVE. & STEARNS ST. See F.B. 1396-8 for description
2	4953 4744 4531 14233	4.744	214 213 427	846		5972 5758 5547 17277	5.759	214 211 425	861	⊼ G.E. Dreier
3	5232 5021 4811 15064	5.021	211 210 421	1267		5810 5594 5379 16783	5.594	216 215 431	1292	
4	5235 5018 4801 15054	5.018	217 217 434	1701		5812 5607 5402 16821	5.607	205 205 410	1702	
5	5153 4942 4732 14827	4.942	211 210 421	2122		5848 5635 5423 16906	5.635	213 212 425	2127	
		25.195					28.415			

F.B. 1396 PG. 55

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. Dreier Weather Overcast Inst. No. 50010
Notes by E. Landa Time 11 40 to 8 15 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-3 To B.M. 30-5
Date 4-27-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5408	25.193	213	2122		5594	28.215	215	2127	
	5195		211			5379		216		
	4984		424			5163		431		
6	15587	5.196		2546		16136	[illegible]		2558	
	5342		162			5530		163		Summation of Run
	5180		162			5371		161		B.M. 30-3 to B.M. 30-5
	5018		324			5210		324		
7	15540	5.180		2870		16115	[illegible]		2882	
	5300		163			6057		165		TOTAL BACKSIGHTS +46.751
	5137		165			5892		161		TOTAL FORESIGHTS -51.358
	4972		328			5731		326		CHANGE IN ELEVATION -4.607
8	15409	5.136		3198		17680	[illegible]		3208	
		40.707					45.057			B.M. 30-4 (City of L.B.) Clark Ave. & Atherton St. See F.B. 1396-9 for description
	6092		048			6350		051		B.M. 30-5 Clark Ave & Atherton St. See F.B. 1396-9 for description
	6044		048			6299		050		
	5996		096			6249		101		
9	18132	6.044		3294		18898	6.299		3309	
		46.751					51.358			

F.B. 1396 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 G.E. Dreier Weather Drizzly Inst. No. 50010
Notes by E. Lomb Time 2:15 to 2:45 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-5 To B.M. 30-3
Date 4-27-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	6342 6291 6240 18873	6,291	51 51 102	102	5 58°	6083 6034 5988 18105	6,035	49 46 95	95	B.M. 30-5 CLARK AVE & ATHERTON ST SEE F.B. 1396-9 FOR DESCRIPTION
										B.M. 30-4 (CITY OF L.B.) CLARK AVE & ATHERTON ST SEE F.B. 1396-9 FOR DESCRIPTION
2	6041 5879 5718 17638	5,879	162 161 323	425		5287 5122 4959 15368	5,123	165 163 328	423	⊼ G.E. DREIER
3	5424 5261 5099 15784	5,261	163 162 325	750		5233 5071 4909 15213	5071	162 162 324	747	
4	5553 5338 5122 16013	5,338	215 216 431	1181		5368 5155 4944 15467	5,156	213 211 424	1171	
		22,769					21,385			

F.B. 1396 PG. 57

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. Dreier Weather Drizzle Inst. No. 50010
Notes by E. Landa Time 2:15 to 2:45 Rod No. 5 [illegible]

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-5 To B.M. 30-3
Date 4-27-53
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
	5803	22.769	213	1181		5109	[illegible]	212	1171	
	5590		212			4897		211		
	5378		425			4686		423		SUMMATION OF RUN
5	16771	5.590		1606		14692	[illegible]		1594	B.M. 30-5 TO B.M. 30-3
	5791		212			5200		211		TOTAL BACKSIGHTS + 50,959
	5579		209			4989		210		TOTAL FORESIGHTS - 46,354
	5370		421			4779		421		DIFF IN ELEVATION + 4,605
6	16740	5.580		2027		14968	4.189		2015	
	5804		214			5227		211		
	5590		215			5016		210		Stopped - Rain
	5375		429			4806		421		4-27-53 2:45 P.M.
7	16769	5.590		2456		15049	[illegible]		2436	
	5821		214			4806		214		STARTED 4-28-53
	5607		215			4592		211		
	5392		429			4381		425		
8	16820	5.607		2885		13779	4.593		2361	
	6045		222			5681		208		B.M. 30-3 (CITY OF L.B.)
	5823		221			5473		206		CLARK AVE & STEARNS ST.
	5602		443			5267		414		SEE F.B. 1396-8
9	17470	5.823		3328		16421	[illegible]		3275	FOR DESCRIPTION
		50.959					46.354			

F.B. 1396 PG. 58

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 G. E. DREIER Weather PART-CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO 9:30 Rod No. 556

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-5 To B.M. 30-6
Date 4-22-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6360		183		#5	5027		186		B.M. 30-5
	6177		182			4841		182		CLARK AVE & ATHERTON ST.
	5995		365 ✓			4659		369 ✓ 8		SEE F.B. 1396-9
1	18532	6177 ✓		365 ✓	62°	14527	4842 ✓	8	369 ✓	FOR DESCRIPTION
	5600		190			3967		185		
	5410		191			3782		182		T. E. LANDA
	5219		381 ✓			3600		367 ✓ 5		
2	16229	5410 ✓		746 ✓		11349	3783 ✓		736	
		11587 ✓					8625 ✓			T.B.M. #1
										CLARK AVE. S. OF ATHERTON ST.
										L.& T. IN E. CURB 2' S. OF N. END
										CONC. BRIDGE OVER OPEN DITCH
	4822		237			4759		229		
	4585		236			4530		229		TOTAL BACKSIGHTS +22,472 ✓
	4349		473 ✓			4301		458 ✓ 3		TOTAL FORESIGHTS - 14,145 ✓
3	13756	4585 ✓		1219 ✓		13590	4530 ✓		1194	DIFF IN ELEV. + 8.327 ✓
	6502		202			1199		209		B.M. 30-6 (U.S. 4612)
	6300		202			0990		210		CLARK AVE S. OF ATHERTON ST
	6098		404 ✓			0780		419 ✓		SEE F.B.
4	18900	6300 ✓		1623 ✓	61°	2969	0990 ✓		1612	FOR DESCRIPTION
		22472 ✓					14145 ✓			

F.B. 1396 PG. 59

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather PART CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 9:45 TO 10:[illegible] Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-6 To B.M. 30-5
Date 4-29-53
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
	1232		208		#5	6.538		203		B.M. 30-6 (U.S. 4612
	1.024		207			6.335		200		CLARK AVE. S. OF ATHERTON ST
	0.817		415			6.135		403		SEE F.B. 1396-10
1	3.073	1.024		415	61°	19.008	6.336		403	FOR DESCRIPTION
	4741		231			4.802		236		
	4.510		231			4.566		234		T E. LANDA
	4279		462			4.332		470		
2	13.530	4.510		877		13.700	4.567		873	
		5.534					16.703			T.B.M. #1
										CLARK AVE, S. OF ATHERTON ST
										L.8 FT. IN E. CURB 2' S. OF N. END
										OF CONC BRIDGE OVER OPEN DITCH
										SEE F.B. 1396-10 FOR LOCATION.
	3925		186			5.553		189		
	3739		187			5.364		187		TOTAL BACKSIGHTS = + 14.114
	3552		373			5177		376		TOTAL FORESIGHTS = - 22.447
3	11.216	3.739		1250		16094	5.365		1249	DIFF IN ELEVATION = - 8.333
	5024		184			6.360		182		B.M. 30-5
	4840		182			6.178		180		CLARK AVE & ATHERTON ST.
	4.658		366			5998		362		SEE F.B. 1396-9
4	14.522	4.84[illegible]		1.616		18.536	6.179		1611	FOR DESC
		14.114					22.447			

F.B. 1396 PG. 60

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 G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 10:10 TO 11:00 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4922
From B.M. 30-5 To B.M. 30-7
Date 4-29-52
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
	5.282		257		#5	5.267		252		B.M. 30-5
	5.025		254			5.015		249		CLARK AVE & ATHERTON ST ℄
	4.771		511			4.766		501		SEE F.B. 1396-9
1	15.078	5.026		511	62°	15.048	5.016		501	FOR DESCRIPTION
	5.189		213			5.612		212		
	4.976		214			5.400		216		TE, LANDA
	4.762		427			5.184		428		
2	14.927	4.976		938		16.196	5.399		929	
	5.213		212			5.868		214		
	5.001		211			5.594		212		
	4.790		423			5.382		426		
3	15.004	5.001		1361		16.784	5.595		1355	
	5.333		213			5.753		215		
	5.120		212			5.538		214		
	4.908		425			5.324		429		
4	15.361	5.120		1786		16.615	5.538		1784	
	5.240		210			5.839		208		B.M. 30-22 (CITY OF L.B.)
	5.030		208			5.631		204		ATHERTON ST & ELMPORT ST
	4.822		418			5.427		412		N.E. COR CITY L.B. MON
5	15.092	5.031		2204		16.897	5.632		2196	IN HANDHOLE
		25.154					27.180			SEE F.B. 1396-11

F.B. 1396 PG. 61

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 10:10 TO 11:22 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-5 To B.M. 30-7
Date 4-29-53
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
	5412	25154	224	2.204		5625	27180	214	2.196	
	5188		227			5411		212		
	4961		45N			5199		426		
6	15561	5.187		2.655		16235	5412		2.622	
	5889		214			6389		218		
	5675		213			6171		214		
	5462		427			5957		432		
7	17026	5.675		3.082		18517	6172		3.054	
	6299		214			5449		216		SUMMATION OF RUN
	6085		214			5233		213		B.M. 30-5 TO B.M. 30-7
	5871		428			5020		429		TOTAL BACKSIGHTS + 53.985
8	18255	6.085		3.510		15702	5234		3.483	TOTAL FORESIGHTS - 55.397
	6175		213			5645		214		DIFF IN ELEVATION - 1.412
	5962		212			5431		211		
	5750		425			5220		425		
9	17887	5.962		3.935		16296	5432		3.908	
	6122		200			6177		211		B.M. 30-7
	5922		199			5966		208		ATHERTON ST & BELLFLOWER BLVD.
	5723		399			5758		419		SEE F.B. 1396-12
10	17767	5.922		4.334	67°	17901	5.767		4.327	FOR DESCRIPTION
		53.985					55.397			

F.B. 1396 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 G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 11:00 TO 11:40 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-7 To B.M. 30-5
Date 4-27-63
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.187 5.981 5.779		206 202 408		#5	6.146 5.939 5.735		207 204 411		B.M. 30-7 ATHERTON ST & BELLFLOWER BLVD SEE F.B. 1396-12 FOR DESCRIPTION
1	17.947	5.982		408	67°	17.820	5.940		411	
	5.693 5.481 5.268		212 212 425			6.222 6.009 5.798		213 211 424		⊼ E LANDA
2	16.442	5.480		523		18.029	6.010		835	
	5.511 5.299 5.086		212 213 425			6.322 6.110 5.898		212 212 424		
3	15.896	5.299		1.358		18.330	6.110		1.259	
	6.437 6.220 6.002		217 218 435			5.958 5.753 5.541		215 212 427		
4	18.659	6.220		1.693		17.262	5.754		1.686	
	5.710 5.494 5.282		216 212 428			5.497 5.271 5.046		226 225 451		B.M. 30-22 (CITY OF L.B.) ATHERTON ST & ELMFIELD ST N.E. COR. CITY L.B. MON. SEE F.B. 1396-11
5	16.486	5.495		2.121		15.814	5.271		2.137	
		28.476					29.085			

F.B. 1396 PG. 63

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 G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 11:00 TO 11:40 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-7 To B.M. 30-5
Date 4-29-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.877	28476	210	2121		5267	29085	209	2137	
	5667		208			5.058		207		
	5.459		418			4.851		416		
6	17.003	5.668		2.539		15.176	[illegible]59		2.553	
	5780		218			5.356		210		
	5.562		215			5.146		209		
	5347		433			4.937		419		
7	16.689	5.563		2972		15.439	[illegible]146		2.972	SUMMATION OF RUN
	5849		216			5250		211		B.M. 30-7 TO B.M. 30-5
	5.634		212			5.039		211		TOTAL BACKSIGHTS + 56.197
	5.422		427			4.828		422		TOTAL FORESIGHTS - 54.771
8	16.905	5.635		3399		15.117	[illegible]39		3.394	DIFF IN ELEVATION + 1.426
	5.646		215			5.222		212		
	5.431		211			5.010		211		
	5220		426			4.799		423		
9	16297	5.432		3825		15.031	[illegible]10		3817	
	5678		256			5682		252		B.M. 30-5
	5.422		253			5.432		251		CLARK AVE & ATHERTON ST ℄
	5.169		509			5.181		502		SEE F.B. 1396-9
10	16.269	5.423		4334	66°	16.295	[illegible]432		4.3~~20~~ 18	FOR DESCRIPTION
		56.197					54.771			

F.B. 1396 PG. 64

X

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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 9:15 TO 10:00 Rod No. 5 & 6

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-5 To B.M. 30-7
Date 5-11-59
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.782		252		#5	5.769		254		B.M. 30-5
	5.530		252			5.515		250		CLARK AVE & ATHERTON ST.
	5.208		504			5.263		506		SEE F.B. 1396-9
1	16.590	5.530		.504	68°	16.547	5.516		.506	FOR DESCRIPTION
	5.329		211			5.743		213		
	5.110		212			5.530		212		⊼ G.E. DREIER
	4.898		423			5.318		425		
2	15.329	5.110		.927		16.591	5.530		.931	
	5.378		210			5.975		213		
	5.168		210			5.762		212		
	4.958		420			5.550		425		
3	15.504	5.168		1.347		17.287	5.762		1.356	
	5.497		215			5.905		214		
	5.282		213			5.691		213		
	5.069		428			5.478		427		
4	15.848	5.283		1.775		17.074	5.691		1.783	
	5.340		210			5.938		205		B.M. 30-22 (CITY OF L.B.)
	5.130		210			5.732		203		ATHERTON ST. & ELMFIELD ST.
	4.920		420			5.529		407		SEE F.B. 1396-11
5	15.390	5.130		2.195		17.199	5.733		2.197	FOR DESCRIPTION
		26.221					28.232			

F.B. 1396 PG. 65

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 9:15 TO 10:00 Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-5 To B.M. 30-7
Date 5-11-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.507	26.22	226	2.195		5.715	23.232	213	2.194	
	5.281		222			5.502		212		
	5.059		448			5.290		425		
6.	15.847	5.282		2.643		16.507	5.502		2.617	
	6.059		208			6 8.571		221		
	5.851		209			6 5.350		219		
	5.642		417			6 8.131		440		
7.	17.552	5.851		3.060		17.052	5.851		3.056	SUMMATION OF RUN
	6.494		214			5.647		215		B.M. 30-5 TO B.M. 30-7
	6.280		213			5.432		213		TOTAL BACKSIGHTS = +55.757
	6.067		427			5.219		428		TOTAL FORESIGHTS = -57.156
8.	18.841	6.280		3.487		16.298	5.433		3.485	DIFF. IN ELEVATION = -1.399
	6.320		213			5.791		213		
	6.107		210			5.578		214		
	5.897		423			5.364		427		
9.	18.324	6.108		3.910		16.733	5.578		3.912	
	6.221		206			6.262		203		B.M. 30-7
	6.015		205			6.059		201		ATHERTON ST. & BELLFLOWER BLVD
	5.810		411			5.858		404		SEE F.B. 1396-12
10.	18.046	6.015		4.321	82°	18.179	6.060		4.315	FOR DESCRIPTION
		55.757					57.156			

F.B. 1396 PG. 66

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 10:25 TO 10:45 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-22 To B.M. 30-5
Date 5-11-53
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
	6.020		207		#5	5.415		208		B.M. 30-22 (CITY OF L.B.)
	5.813		205			5.207		207		ATHERTON ST. & ELMFIELD ST.
	5.608		412			5.000		415		SEE F.B. 1396-11
1.	17.441	5.814		412	82°	15.622	5.207		415	FOR DESCRIPTION
	5.878		215			5.471		212		
	5.663		211			5.259		212		A G.E. DREIER
	5.452		426			5.047		424		
2	16.993	5.664		.838		15.777	5.259		.839	
	5.943		212			5.350		212		
	5.731		212			5.138		210		
	5.519		424			4.928		422		SUMMATION OF RUN
3.	17.193	5.731		1.262		15.416	5.139		1.261	B.M. 30-22 TO B.M. 30-5
	5.691		214			5.271		212		TOTAL BACKSIGHTS = + 28.234
	5.477		212			5.059		214		TOTAL FORESIGHTS = - 26.220
	5.265		426			4.845		426		DIFF. IN ELEVATION = + 2.014
4.	16.433	5.478		1.688		15.175	5.058		1.687	
	5.758		211			5.849		293		B.M. 30-5
	5.547		212			5.556		291		CLARK AVE. & ATHERTON ST.
	5.335		423			5.265		584		SEE F.B. 1316-9
5.	16.640	5.547		2.111	82°	16.670	5.557		2.271	FOR DESCRIPTION
		28.234					26.220			

B.M. 1396 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L.A. CO. PRECISE LEVEL NET
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. 1396 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 G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. E. DREIER Time 1:10 TO 3:15 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4922
From B.M. 30-7 To B.M. 30-8
Date 4-29-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.527		134		#5	5.070		127		B.M. 30-7
	5.393		133			4.942		125		ATHERTON ST & BELLFLOWER BLVD
	5.260		267			4.818		252		SEE F.B. 1396-12
1	16.180	5.393		267	62°	14.831	4.944		252	FOR DESCRIPTION
	5.297		139			5.711		135		
	5.158		137			5.576		137		⊼ E. LANDA
	5.021		276			5.439		272		
2	15.476	5.159		543		16.726	5.575		524	
	6.286		209			3.957		217		
	6.077		210			3.740		215		
	5.867		419			3.525		432		
3	18.230	6.077		962		11.222	3.741		756	
		16.629					14.260			T.B.M. #2
										BELLFLOWER BLVD, S. OF ATHERTON ST
										C. SPK, W. & T. IN TOP OF WOOD PILING
										AT N.W. COR OF WOOD BRIDGE
	6.308		196			9.644		188		OVER OPEN DITCH
	6.112		[illegible]			9.456		188		
	5.919		382			9.268		376		
4	18.339	6.113		1351		28.368	9.456		1332	
		22.742					23.716			

F.B. 1396 PG. 69

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 56010
Notes by G.E. DREIER Time 1:10 TO 3:15 Rod No. 5.56

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-7 To B.M. 30-8
Date 4-29-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.552 4.340 4.130	22.742	212 210 422	1.351		5.861 5.588 5.372	[illegible]	213 216 429	1.332	
5	13.022	4.341		1.773		16.761	[illegible]		1.761	
	5.902 5.692 5.485		210 207 417			3.702 3.498 3.292		204 206 410		
6	17.079	5.693		2.190		10.492	[illegible]		2.171	
		32.776					32.700			T.B.M. #3 AT JUNCTION OF DITCHES E. OF BELLFLOWER BLVD AND S. OF ATHERTON ST. LARGE B.SPR IN S. SIDE OF POWER POLE #829783E
	3.000 2.789 2.579		211 210 421			5.484 5.269 5.053		215 211 426		
7	8.368	2.789		2.611		15.811	[illegible]		2.597	
	5.282 5.070 4.858		212 212 424			5.978 5.765 5.549		216 213 429		
8	15.210	5.070		3.035		17.289	5.763		3.026	
		40.635					43.833			

F.B. 1396 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 G. F. DREIER Weather OVERCAST Inst. No. 50010
Notes by G. F. DREIER Time 1:10 TO 3:15 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-7 To B.M. 30-8
Date 4-29-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.253	46.635	212	3.935		5.173	43.833	213	3.026	
	5.571		211			4.960		210		
	4.960		423			4.750		423		
9	5.214	5.371		3.458		4.883	4.961		3.449	
	5.548		212			5.060		215		
	5.636		210			4.845		213		
	4.922		426			4.633		427		
10	5.206	5.635		3.884		4.538	4.846		3.876	
	4.782		211			4.718		216		
	4.771		210			4.502		213		
	4.561		421			4.289		429		
11	4.314	4.771		4.305		3.509	4.502		4.305	
	5.523		221			5.518		219		
	5.302		220			5.299		220		
	5.082		441			5.379		439		
12	4.907	5.302		4.746		4.792	5.299		4.744	
	5.206		225			3.021		220		
	4.981		223			2.801		219		
	4.758		448			2.582		439		
13	4.945	4.982		5.194		4.404	3.901		5.183	
		66.396					66.543			

F.B. 1396 PG. 71

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather RAINING DRIZZLING Inst. No. 50010
Notes by G.E. DREIER Time 1:10 TO 3:[illegible] Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4723
From B.M. 30-7 To B.M. 30-8
Date 4-29-53
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
	7.619	6.39[illegible]	215	5.194		[illegible]	6.[illegible]43	218	5.183	
	6.864		211			4.829		216		
	6.593		426			[illegible]		434		
14	20.416	6.805		5.620		14.489	[illegible].30		5.617	
	4.359		215			5.080		218		
	4.144		212			4.862		214		
	3.932		427			4.648		432		
15	12.435	4.145		6.047		14.590	4.863		6.049	
	3.977		177			2.708		176		SUMMATION OF RUN
	3.800		174			2.532		172		B.M. 30-7 TO B.M. 30-8
	3.626		351			2.360		348		TOTAL BACKSIGHTS +90.964
16	11.403	3.801		6.398		7.600	[illegible]		6.397	TOTAL FORESIGHTS -92.563
	5.619		200			7.582		215		DIFF IN ELEVATION -1.599
	5.419		199			7.367		214		
	5.220		399			7.153		429		
17	16.258	5.419		6.797		22.102	[illegible].367		6.826	
	4.618	8.566	22			6.638	156	211		B.M. 30-8
	4.397		219			6.427		212		ALAMEDA ST. E. OF DITCH, W. OF
	4.178		440			6.215		423		PALOS VERDE ST.
18	13.193	4.398		7.237	61°	19.280	[illegible].127		[illegible].249	SEE F.B. 1396-13 FOR DESCRIPTION
		90.964					92.563			

F.B. 1396 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 G.E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G.E. DREIER Time 10:00 TO 11:35 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-8 To B.M. 30-7
Date 4-30-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.203		212		#5	4.322		215		B.M. 30-8
	2.120		211			4.107		214		ANAHEIM ST. E. OF DITCH W. OF
	5.917		423			3.893		429		PALO VERDE ST.
1	18.391	6.130		423	64°	12.322	4.107		429	SEE F.B. 1396-13 FOR DESCRIPTION
	8.067		208			6.122		212		
	7.859		205			5.910		210		π E. LANE
	7.654		413			5.700		422		
2	23.580	7.860		836		17.732	5.911		851	
	2.877		177			[illegible]		174		
	2.700		178			3.975		172		
	2.522		355			3.803		346		
3	8.099	2.700		1.191		11.927	3.976		1.197	
	5.030		218			4.233		214		
	4.812		214			4.019		213		
	4.598		432			3.806		427		
4	14.440	4.813		1.623		12.058	4.019		1.624	
	4.986		217			7.037		215		
	4.768		216			6.822		212		
	4.552		433			6.610		427		
5	14.306	4.768		2.056		20.469	6.823		2.051	
		26.271					24.836			

F.B. 1396 PG. 73

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather VERY WIN CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:55 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From 8 M 30.8 To 8 M 30.7
Date 4-30-53
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
	3.010	26.271	220	2056		5.103	24.836	224	2051	
	2.790		220			4.963		221		
	2.570		440			4.742		445		
6	8.370	2.790		2496		14.910	4.970		2496	
	5.865		220			5.569		220		
	5.645		215			5.349		221		
	5.430		438			5.128		441		
7	16.940	5.649		2934		16.046	5.349		2937	
	4.763		214			5.026		213		
	4.549		212			4.813		211		
	4.337		426			4.602		424		
8	13.649	4.550		3360		14.441	4.814		3361	
	5.072		214			5.363		213		
	4.858		211			5.150		210		
	4.647		425			5.440		423		
9	14.577	4.859		3785		16.953	5.651		3784	
	5.353		212			5.462		212		
	5.141		211			5.250		212		
	4.930		423			5.038		424		
10	15.424	5.141		4208		15.750	5.250		4208	
		49.260					50.870			

F.B. 396 PG. 74

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR - WINDY Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:35 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-8 To B.M. 30-7
Date 4-30-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.010	49.260	217	4.208		5.320	50.870	215	4.208	
	5.793		213			5.105		213		
	5.580		430			4.892		428		
11	17.383	5.794		4.638		15.317	5.106		4.636	
	5.502		211			3.021		210		
	5.291		212			2.811		211		
	5.079		423			2.600		421		
12	15.872	5.291		5.061		8.432	2.811		5.057	
		60.345					58.787			T.B.M. #3 AT JUNCTION OF DRAIN DITCHES E. OF BELLFLOWER BLVD & S. OF ATHERTON ST. & SPK IN S. SIDE OF POWER POLE #829783E
	3.841		204			6.041		210		
	3.637		207			5.831		207		
	3.430		411			5.624		417		
13	10.908	3.636		5.472		17.496	5.832		5.474	
	5.734		214			4.988		213		
	5.520		213			4.775		213		
	5.307		427			4.562		426		
14	16.561	5.520		5.899		12.825	4.275		5.900	
		69.501					68.894			

F.B. 396 PG. 75

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER
Notes by G.E. DREIER
Weather VERY WINDY CLEAR
Time 1000 TO 1130
Inst. No. 500.10
Rod No. 586

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-8 To B.M. 30-7
Date 4-30-53
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
15	9.554 9.365 9.178 28.097	9.366	189 187 376	6.275		6.221 6.026 5.830 18.077	6.026	194 196 398	6.290	
		78.867					74.920			T.B.M. #2 BELLFLOWER BLVD S. OF ATHERTON ST., C.SPK. W/ST. IN TOP OF PILING AT N.W. COR OF WOOD BRIDGE OVER DITCH
16	3.438 3.221 3.010 9.664	3.221	212 211 423	6.998		5.776 5.561 5.349 16.686	5.562	215 212 427	6.712	SUMMATION OF RUN B.M. 30-8 TO 30-7
17	5.220 5.079 4.941 15.240	5.080	141 138 279	6.977		4.799 4.663 4.530 13.992	4.664	136 133 269	6.986	TOTAL BACKSIGHTS +92.200 TOTAL FORE SIGHTS -90.634 DIFF IN ELEVATION +1.566
18	5.163 5.031 4.901 15.095	5.032	132 130 262	7.239	64°	5.618 5.488 5.358 16.464	5.488	130 130 260	7.246	B.M. 30-7 ATHERTON ST & BELLFLOWER BLVD. SEE F.B. #396-12 FOR DESCRIPTION
		92.200					90.634			

F.B. 396 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 C.E. DREIER Weather CLEAR Inst. No. 50010
Notes by C.E. DREIER Time 7:00 TO 10:30 Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-8 To B.M. 30-7
Date 5-1-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6516		214		#5	4492		214		B.M. 30-8
	6302		211			4278		216		ANAHEIM ST. E. OF DITCH, W. OF
	6091		425			4062		430		PALO VERDE ST
1	18909	6303		425	64°	12832	4277		430	SEE F.B. 1396-13 FOR DESC.
	8170		203			6231		211		
	7967		204			6020		211		T E. LANDA
	7763		407			5809		422		
2	22900	7967		832		18060	6020		852	
	2336		179			3604		173		
	2157		182			3431		169		
	1975		361			3262		342		
3	6468	2156		1193		10297	3432		1194	
	5036		218			4519		215		
	4818		215			4104		213		
	4603		433			3891		428		
4	14457	4819		1626		12314	4105		1622	
	5102		215			7081		214		
	4887		217			6867		213		
	4670		434			6654		427		
5	14659	4886		2058		20602	6867		2049	
		26131					24701			

F.B. 1396 PG. 77

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9:00 TO 10:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4422
From B.M. 30-8 To B.M. 30-7
Date 5-1-53
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
	3.043	6.131	219	2.060 58		5.229	[illegible]	226	2.049	
	2.824		221			5.003		223		
	2.603		440	498		4.780		449		
6	8.470	2.823		2.560		15.012	[illegible]		2.498	
	5.830		222			5.541		221		
	5.608		219			5.320		220		
	5.389		441	39		5.100		441		
7	16.827	5.609		2.939		15.901	5.320		2.939	
	4.857		210			5.072		212		
	4.597		215			4.860		209		
	4.380		427	6		4.651		421		
8	13.780	4.593		3.266		14.583	4.861		3.266	
	5.126		213			5.920		212		
	4.913		211			5.708		212		
	4.702		424	0		5.496		424		
9	14.741	4.914		3.792		17.124	5.708		3.734	
	5.217		210			5.332		215		
	5.007		212			5.117		211		
	4.795		422	2		4.906		426		
10	15.019	5.006		4.214		15.355	5.118		4.210	
		49.076					50.713			

F.B. 1396 PG. 78

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:00 TO 10:30 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 41923
From B.M. 30-8 To B.M. 30-7
Date 5-1-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.107	49.076	216	4.214		5.415	50.712	215	4.210	
	5.891		213			5.200		211		
	5.678		429			4.989		426		
11	17.676	5.892		4.643		15.604	5.201		4.636	
	5.503		212			2.021		210		
	5.291		211			2.811		211		
	5.080		423			2.600		422		
12	15.874	5.291		5.062		8.432	2.811		5.057	
		60.259					58.724			T.B.M. #3 AT JUNCTION OF DITCHES E. OF BELLFLOWER BLVD. SOUTH OF ATHERTON ST. A B.SPK IN POWER POLE # 829783 E
	3.784		206			5.983		211		
	3.578		205			5.772		208		
	3.373		411			5.564		419		
13	10.735	3.578		5.477		17.319	5.773		5.476	
	5.730		213			4.457		215		
	5.517		215			4.272		2		
	5.302		428			4.061		426		
14	16.549	5.516		5.905		12.820	4.273		5.902	
		69.353					68.770			

F.B. 1396 PG. 79

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9:00 TO 10:30 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-8 To B.M. 30-7
Date 5-1-53
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
	9.584	69.353	189	5.908 3		6.252	68.770	197	5.902	
	9.395		187			6.055		195		
	9.208		376			5.860		392		
15	28.187	9.396		6.287		18.167	6.056		6.294	
		78.749					78.826			T.B.M. #2 BELLFLOWER BLVD. S. OF ATHERTON ST. ON TOP OF PILING AT N.W. COR. OF WOOD BRIDGE OVER DITCH
	3.259		212			5.598		215		
	3.047		209			5.383		214		
	2.838		421	0		5.169		429		
16	9.144	3.048		6.702		16.150	5.383		6.723	SUMMATION OF RUN B.M. 30-8 TO B.M. 30-7
	5252		136			4.837		139		TOTAL BACKSIGHTS + 92.088
	5.116		136			4.698		135		TOTAL FORESIGHTS - 90.539
	4980		272			4.563		274		DIFF IN ELEVATION + 1.549
17	15.348	5.116		6.974		14.098	4.699		6.997	
	5310		136			5.758		127		B.M. 30-7
	5174		134			5.631		126		ATHERTON ST & BELLFLOWER BLVD
	5040		270			5.505		253		SEE F.B. 1396-12
18	15.524	5.175		7.244	67°	16.894	5.631		7.250	FOR DESCRIPTION
		92.088					90.539			

F.B. 1396 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 G. E. Dreier Weather Clear Inst. No. 50010
Notes by E. Landa Time 10:30 TO 11:50 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-7 To B.M. 30-8
Date 5-1-53
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
	5709		131		#5	5250		129		B.M. 30-7 BLVD
	5578		130			5121		130		ATHERTON ST & BELLFLOWER
	5448		261			4991		259		SEE F.B. 1396-12
1	16735	5.578		261	67°	15362	5.121		259	FOR DESCRIPTION
	5154		135			5573		136		
	5019		136			5437		137		T G.E. DREIER
	4883		271			5300		273		
2	15056	5.019		537		16310	5.437		532	
	5637		215			3297		213		
	5422		212			3084		210		
	5210		427			2874		423		
3	16269	5.423		964		9255	3.085		955	
		16.020					13.643			T.B.M. #2 BELLFLOWER BLVD.
										S OF ATHERTON ST, C. SPK. W&T.
										IN TOP OF PILING AT N.W.
										COR OF WOOD BRIDGE OVER DITCH
	6322		195			9655		188		
	6127		196			9467		188		
	5931		391			9279		376		
4	18380	6.127		1355		28401	9.467		1331	
		22.147					23.110			

F.B. 1396 PG. 81

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party: G. E. Dreier Weather: Clear Inst. No.: 50010
Notes by: E. Landa Time: 10:30 TO 11:50 Rod No.: 586

Name: **L. A. CO. PRECISE LEVEL NET**
Job No.: 4923
From: B.M. 30-7 To: B.M. 30-8
Date: 5-1-53
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
	4585	32.127	210	1355		5836	28.110	216	1331	
	4375		209			5620		213		
	4166		419			5407		229		
5	15126	4.375		1774		16863	4.621		1760	
	5866		207			3668		206		
	5657		208			3462		203		
	5449		415			3259		409		
6	16970	5.657		2189		10389	3.463		2169	
		32.179					32.194			T.B.M. #3 at Junction of Ditches E. of Bellflower Blvd. South of Atherton St. A Bt. Spk in Power Pole # 829783E
	3103		214			5575		208		
	2889		216			5367		209		
	2673		430			5158		417		
7	8665	2.888		2619		16100	5.367		2586	
	5428		208			6128		217		
	5220		209			5911		217		
	5011		417			5696		434		
8	15659	5.220		3036		17733	5.911		3020	
		40.287					43.472			

F.B. 1396 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 G.E. DREIER Weather Clear Inst. No. 500 10
Notes by E. LANLA Time 10:30 TO 11:50 Rod No. 556

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-1 To B.M. 30-3
Date 5-1-53 A. 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
	5407 40.287		213	3086		5299 43.472		212	3020	
	5196		211			5087		212		
	4983		424			4875		424		
9	15586	5,195		3460		15261	5,087		3444	
	5988		213			5195		213		
	5775		212			4982		211		
	5563		225			4771		424		
10	17326	5,775		3885		14948	4,983		3868	
	5172		210			4913		213		
	4962		211			4700		213		
	4751		421			4487		426		
11	14885	4,962		4306		14100	4,700		4294	
	5665		221			5951		217		
	5444		221			5734		216		
	5223		442			5518		433		
12	16332	5,444		4748		17203	5,734		4727	
	5303		224			3122		219		
	5079		223			2903		217		
	4856		447			2686		436		
13	15238	5,079		5195		8711	2,904		5163	
		66,742					66,880			

F.B. 379 PG. 83

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by E. LANDA Time 10:30 to 11:55 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-7 To B.M. 30-8
Date 5-1-53
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
	7178	66.742	207	5195		5219	66.88[illegible]	222	5163	
	6971		204			4997		221		
	6767		411			4776		443		
14	20916	6.972		5606		14992	4.997		5606	
	4441		213			5160		218		
	4228		214			4942		214		
	4014		427			4728		432		
15	12683	4.228		6033		14830	4.943		6038	
	3709		177			2434		175		Summation of Run
	3532		174			2259		176		
	3358		351			2083		351		B.M. 30-7 TO B.M. 30-8
16	10599	3.533		6384		6776	2.259		6389	
	6252		210			8195		206		TOTAL BACKSIGHTS = +91.849
	6042		210			7989		207		TOTAL FORESIGHTS = -93.419
	5832		420			7782		413		DIFF. IN ELEVATION = -1.570
17	18126	6.042		6804		23966	7.989		6802	
	4545		213			6563		212		B.M. 30-8
	4332		212			6351		211		ANAHEIM ST. E. OF DITCH, W. OF
	4120		425			6140		423		PALO VERDE ST.
18	12997	4.332		7229	66°	19054	6.351		7225	SEE F.B. 1396-13 FOR DESCR.
		91.849					93.419			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 9:00 TO 10:00 Rod No. 586

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-8 To B.M. 30-9
Date 5-4-53
Indexed A. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.216		204		45	4.819		219		B.M. 30-8
	5.012		202			4.600		218		ANAHEIM ST. AT DITCH W. OF
	4.810		406			4.382		437		PALO VERDE ST.
1.	14.038	5.013		.406	79°	13.801	4.600		.437	SEE F.B. 1396-13 FOR DESC.
	4.615		222			5.126		206		
	4.395		222			4.920		206		T E. LANDA
	4.173		444			4.714		412		
2.	13.185	4.395		.850		14.760	4.920		.849	
	5.191		213			4.682		218		
	4.978		212			4.409		216		
	4.765		426			4.193		434		
3.	14.934	4.978		1.276		13.229	4.410		1.283	
	5.033		211			5.455		216		
	4.822		209			5.239		214		
	4.613		420			5.025		430		
4.	14.438	4.813		1.696		15.719	5.240		1.713	
	4.995		095			4.035		089		
	4.900		091			3.946		088		
	4.809		186			3.858		177		
5.	14.704	4.901		1.882		11.839	3.946		1.890	
		24.100					23.116			

F.B. 1396 PG. 85

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50016
Notes by G.E. DREIER Time 9:00 to 10:00 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-8 To B.M. 30-9
Date 5-4-53
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
		24.100		1.882			22.216		1.890	T.B.M. #4 PALO VERDE AVE. E. SIDE, 700± FT. S. OF ANAHEIM ST. CHISELED "□" IN S. END OF E. CONC. HEADWALL
	4.960		152			1.900		155		
	4.808		151			1.745		153		
	4.657		303			1.592		308		
6	14.425	4.808		2.185		5.237	1.746		3.138	
	9.176		066			0.657		064		
	9.110		067			0.593		063		
	9.043		133			0.530		127		
7	27.329	9.110		2.318		1.780	0.593		2.325	
	9.855		064			0.541		065		
	9.791		063			0.476		065		
	9.725		127			0.411		130		
8	29.374	9.791		2.445		1.428	0.476		2.455	
	9.931		065			0.585		065		
	9.868		064			0.520		063		
	9.804		127			0.457		128		
9	29.603	9.868		2.572		1.562	0.521		2.583	
		57.677					26.452			

F.B. 396 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 G.E. DREIER Weather CLOUDY CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9.00 TO 10.00 Rod No. 5X6

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-8 To B.M. 30-9
Date 5-4-53
Indexed **A. C. Johnson**

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	11.483	57.677	126	2.572		1.206	26.452	128	2.583	B.M. 30-9 (CITY OF L.B.)
	11.357		124			1.078		128		(U.S. 3739)
	11.230		250			0.950		256		PALO VERDE ST S. OF ANAHEIM
10	34.064	11.355		2.822	85°	3.234	1.078		2.839	ST. AT BIXBY RANCH
										SEE F.B. 1396-14 FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 30-8 TO B.M. 30-9
										TOTAL BACKSIGHTS + 69.032
										TOTAL FORESIGHTS - 27.530
										DIFF IN ELEVATION + 41.502
		69.032					27.530			

F.B. 1396 PG. 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 G.E. DREIER Weather CLEAR Inst. No. 570616
Notes by G.E. DREIER Time 10:00 TO 10:45 Rod No. 5 & 6

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4983
From B.M. 30-9 To B.M. 30-8
Date 5-4-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.290		129		#5	11.565		126		B.M. 30-9 (W.S 3739) (CITY 4.8)
	1.161		127			11.439		127		PALO VERDE ST. S. OF ANAHEIM
	1.034		256			11.312		253		ST. AT 8 MI BY RANCH
1	3.485	1.162		256	88°	34.316	11.439		253	SEE F.B. 1396-14 FOR
	0.630		065			9.977		065		DESCRIPTION
	0.565		064			9.912		062		
	0.501		129			9.850		127		T E. LANDA
2	1.696	0.565		385		29.739	9.913		380	
	0.532		066			9.845		064		
	0.466		065			9.781		062		
	0.401		131			9.719		126		
3	1.399	0.466		516		29.345	9.782		506	
	0.473		064			8.990		066		
	0.409		066			8.924		064		
	0.343		130			8.860		130		
4	1.225	0.408		646		26.774	8.925		636	
	1.955		155			5.043		152		
	1.830		153			4.891		151		
	1.677		308			4.740		303		
5	5.492	1.831		954		14.674	4.891		939	
		4.432					44.650			

F.B. 1396 PG. 88

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 G.E. DREIER Weather CLEAR & WARM Inst. No. 50010
Notes by G.E. DREIER Time 10:00 TO 10:45 Rod No. 58

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-9 To B.M. 30-8
Date 5-4-53 **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
		4.432		.954			4.495		.939	T.B.M. # 4 PALO VERDE ST ±700 FT S OF ANAHEIM ST, CHISELED "H" IN S. END OF E. CONC. HDWALL
6	3.870 3.780 3.691 11.341	3.780	.090 .089 .179	1.132		4.826 4.735 4.645 14.206	4.735	.091 .090 .181	1.120	
7	5.550 5.287 5.022 15.859	5.286	.213 .215 .428	1.561		5.071 4.859 4.648 14.578	4.859	.212 .211 .423	1.543	
8	4.533 4.317 4.100 12.950	4.317	.216 .217 .433	1.994		5.100 4.886 4.673 14.659	4.886	.214 .213 .427	1.970	
9	5.217 5.001 4.789 15.007	5.002	.216 .212 .428	2.422		4.692 4.478 4.265 13.435	4.478	.214 .213 .427	2.397	
		22.817					63.908			

F.B. 1396 PG. 89

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G.E. DREIER Time 10:00 TO 10:55 Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-9 To B.M. 30-8
Date 5-4-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.780	22.817	2.01	2.422		5.213	6.908	2.23	2.397	B.M. 30-8
	4.579		2.00			4.990		2.20		ANAHEIM ST., E. OF DITCH,
	4.379		4.01			4.770		4.43		W. OF PALO VERDE ST.
10	13.738	4.579		2.823	87°	14.973	4.991		2.844	SEE F.B. 1396-13 FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 30-9 TO 30-8
										TOTAL BACKSIGHTS + 27.396
										TOTAL FORESIGHTS - 68.899
										DIFF IN ELEVATION - 41.503
		27.396					68.899			

F.B. 1396 PG. 90

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 1:30 TO 2:45 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-9 To B.M. 30-12
Date 5-4-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3.533		197		#5	11.944		219		B.M. 30-9 (CITY OF L.B.) (U.S. 2739)
	3.341		194			11.725		216		PALO VERDE AVE. & OLD ANAHEIM RD.
	3.147		391			11.509		435		SEE F.B. 1396-14
1.	10.021	3.342		.391	90°	35.178	11.726		.435	FOR DESCRIPTION
	6.657		128			10.204		114		
	6.529		129			10.090		112		⊼ E. LANDA
	6.400		257			9.978		226		
2.	1.586	0.529		.648		30.272	10.091		.661	
	0.807		124			9.851		116		
	0.683		122			9.735		114		
	0.561		246			9.621		230		
3.	2.051	0.684		.894		29.207	9.736		.891	
	2.167		091			9.261		091		
	2.078		088			9.170		091		
	1.990		179			9.079		182		
4.	6.237	2.079		1.073		27.510	9.170		1.073	
	2.095		095			4.934		086		
	2.000		096			4.848		089		
	1.904		191			4.759		175		
5.	5.999	2.000		1.264		14.541	4.847		1.248	
		8.634					45.570			

F.B. 1396 PG. 91

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. F. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 1:30 TO 2:45 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-9 To B.M. 30-12
Date 5-4-53
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
		8.634	1.264				45.570	1.248		T.B.M. F 5 F.C.BM. 73-1A VAC. ANAHEIM ST. E. OF PALO VERDE AVE. SEE F.B. 1396-14 FOR DESCRIPTION
6	5.581 0.468 0.352 1.401	0.467	113 116 229	1.493		6.606 6.481 6.362 19.449	[illegible]	119 119 238	1.486	
7	5.630 5.430 5.232 16.292	5.431	200 198 398	1.891		6.421 6.221 6.022 18.664	[illegible]	200 199 399	1.885	
		14.532					52.272			B.M. 30-10 (F.C.B.M. 120-4) VAC. ANAHEIM ST & LOS CERRITOS CHANNEL SEE F.B. 1396-15 FOR DESCRIPTION
8	4.677 4.471 4.268 13.416	4.472	206 203 409	2.300		4.569 4.343 4.120 13.032	4.344	226 223 449	2.334	
		19.004					62.616			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 1:30 - 2:45 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-9 To B.M. 30-12
Date 5-4-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.336	19.004	214	2.300		4.982	62.616	212	2.334	
	5.192		211			4.770		212		
	4.961		425			4.558		424		SUMMATION OF RUN
9.	15.519	5.173		2.725		14.310	4.770		2.758	B.M. 30-9 TO B.M. 30-12
	5.006		212			3.803		234		TOTAL BACKSIGHTS + 32.253
	4.789		212			3.669		227		TOTAL FORESIGHTS - 76.293
	4.572		434			3.462		411		DIFF IN ELEVATION - 44.040
10	14.367	4.789		3.159		11.004	3.668		3.159	
		28.966					71.054			B.M. 30-11 (F.C.B.M. 73-4A)
										LOS CERRITOS CHANNEL & 7TH ST.
										SEE F.B. 1396-16
										FOR DESCRIPTION
	3.501		214			5.486		248		B.M. 30-12 (F.C.B.M. 120-4B)
	3.287		213			5.238		246		LOS CERRITOS CHANNEL & 7TH ST.
	3.074		427			4.992		494		SEE F.B. 1396-16
11.	9.862	3.287		3.586	91°	15.716	5.239		3.663	FOR DESCRIPTION
		32.253					76.293			

F.B. 1396 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 L. A. CO. PRECISE LEVEL NET
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. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 2:50 to 3:45 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-12 To B.M. 30-9
Date 5-4-53
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
	5.399		231		#5	3.438		221		B.M. 30-12 (F.C.B.M. 120-4B) 7th ST & LOS CERRITOS CHANNEL SEE F.B. 1396-16 FOR DESCRIPTION
	5.168		230			3.217		219		
	4.938		461			2.998		440		
1.	15.505	5.168		461	91°	9.653	3.218		440	
										BM 30-11 (F.C.B.M. 120-4A) 7th ST & LOS CERRITOS CHANNEL SEE F.B. 1396-16 FOR DESCRIPTION
	3.767		205			4.910		222		T E. LANDA
	3.562		202			4.688		220		
	3.360		407			4.468		442		
2.	10.689	3.563		868		14.066	4.689		882	
	4.935		214			5.340		215		
	4.721		211			5.125		212		
	4.518		425			4.913		427		
3.	14.166	4.722		1.293		15.378	5.126		1.309	
	4.390		218			4.519		213		
	4.172		217			4.306		211		
	3.955		435			4.095		424		
4.	12.517	4.172		1.728		12.920	4.307		1.733	
		17.625					17.340			

F.B. 1396 PG. 95

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 2:50 TO 3:45 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-12 To B.M. 30-9
Date 5-4-53
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
		17.625		1.728			17.340		1.722	B.M. 30-10 F.G.B.M. 120-4 VAC. ANAHEIM ST. + LOS CERRITOS CHANNEL SEE F.B. 1398-15 FOR DESCRIPTION
	6399		200			5.605		200		
	6.199		198			5405		197		
	6.001		398			5208		397		
5	18.599	6.200		2.126		16.218	5.406		2.130	
	6576		118			0.561		116		
	6458		119			0445		116		
	6.339		237			0.229		232		
6	19.373	6.458		2.363		1.335	0.445		2.362	
		30.283					23.191			T.B.M. #5 F.C. B.M. 73-1A AND VAC. ANAHEIM ST. E. OF PALOVERDE SEE F.B. 1344-14 FOR DESCRIPTION
	4912		095			2062		094		
	4819		093			1968		096		
	4726		188			1.872		190		
7	4.457	4.819		6.255 49		5.902	1.967		2.552	
		35.102					25.158			

F.B. 1396 PG. 96

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 G. E. DREIER Weather CLEAR BREEZY Inst. No. 50010
Notes by G. E. DREIER Time 2:50 TO 3:45 Rod No. 5E6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-12 To B.M. 30-9
Date 5-4-53
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
	8.798 35102		091	2.551 49		17022 5.158		087	2.552	
	8.707		088			1.615		085		
	8.619		179			1.530		172		
8	26.124	8.708		2.730 28		4.847	1.616		2.724	
	9.759		117			0.708		119		SUMMATION OF RUN
	9.642		116			0.589		118		B.M. 30-12 TO B.M. 30-9
	9.526		233			0.471		237		TOTAL BACKSIGHTS + 75.044
9	28.927	9.642		2.963 1		1.768	0.589		2.961	TOTAL FORESIGHTS - 31.004
	10.062		118			0.504		123		DIFF IN ELEVATION + 44.040
	9.944		116			0.381		122		
	9.828		234			0.261		243		
10	29.834	9.945		3.197 5		1.146	0.382		3.204	
	11.862		215			3.456		197		B.M. 30-9 (U.S. 3739) (CITY OF L.A.)
	11.647		216			3.259		197		VAC. ANAHEIM RD. & PALO VERDE AVE.
	11.431		431			3.062		394		SEE F.B. 1396-14
11	34.940	11.647		3.628 6	88°	9.777	3.259		3.598	FOR DESCRIPTION
		75.044					31.004			

F.B. 1396 PG. 97

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L. A. CO. PRECISE LEVEL NET
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. 326 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 11:10 TO 11:55 Rod No. 566

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-9 To B.M. 30-12
Date 5-11-53
Indexed A. C. JOHNSON

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3.529		264		#5	11.928		216		B.M. 30-9 (CITY OF L.A.) (U.S. 3739)
	3.325		200			11.712		212		PALO VERDE ST. & OLD ANAHEIM RD.
	3.123		406			11.500		428		SEE F.B. 1396-7
1.	9.977	3.326		.406	84°	35.140	11.713		.428	FOR DESCRIPTION
	0.519		121			10.080		119		
	0.398		122			9.961		117		T. E. LANDA
	0.276		243			9.844		236		
2.	1.193	0.398		.649		29.885	9.962		.664	
	0.683		119			9.730		115		
	0.564		120			9.615		114		
	0.444		239			9.501		229		
3.	1.691	0.564		.888		28.846	9.615		.893	
	1.680		087			8.777		089		
	1.593		087			8.688		089		
	1.506		174			8.599		178		
4.	4.779	1.593		1.062		26.064	8.688		1.071	
	2.132		093			4.987		097		
	2.039		092			4.890		097		
	1.947		185			4.793		194		
5.	6.118	2.039		1.247		14.670	4.890		1.265	
		7.920					44.868			

F.B. 1396 PG. 99

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 11:10 TO 11:55 Rod No. 5 & 6

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-9 To B.M. 30-12
Date 5-11-53
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
		7.920		1.247			4.668		1.265	T.B.M. # 5 F.C. B.M. 73-1A VAC. ANAHEIM ST. E. OF PALO VERDE ST. SEE F.B. 1396-14 FOR DESCRIPTION
	0.635		1.27			6.634		1.15		
	0.508		1.28			6.519		1.16		
	0.330		2.55			6.403		2.31		
6	1.523	0.508		1.502		19.556	6.519		1.496	
	5.760		2.00			6.550		2.00		
	5.560		1.98			6.350		2.00		
	5.362		3.98			6.150		4.00		
7	16.682	5.561		1.900		19.050	6.350		1.896	
		13.989					57.737			B.M. 30-10 (F.C. B.M. 120-4) VAC. ANAHEIM ST. & LOS CERRITOS CHANNEL SEE F.B. 1396-15 FOR DESCRIPTION
	4.479		2.09			4.355		2.21		
	4.270		2.07			4.134		2.19		
	4.063		4.16			3.915		4.40		
8	12.812	4.271		2.316		12.404	4.135		2.336	
		18.260					61.872			

F.B. 1396 PG. 100

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 11:10 to 11:55 Rod No. 586

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-9 To B.M. 30-12
Date 5-11-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.730	18.260	215	2.316		5.322	61.842	212	2.336	
	5.515		215			5.110		210		
	5.300		430			4.900		422		
9.	16.545	5.515		2.746		15.332	5.111		2.758	
	4.868		216			3.738		207		
	4.652		214			3.531		204		
	4.438		430			3.327		411		
10.	13.958	4.653		3.176		10.596	3.532		3.169	
		28.428					70.515			B.M. 30-11 (F.C. B.M. 73-4A) LOS CERRITOS CHANNEL & 7TH. ST. SEE F.B. 1396-16 FOR DESCRIPTION
	3.402		222			5.347		217		B.M. 30-12 (F.C. B.M. 120-4B) LOS CERRITOS CHANNEL & 7TH ST. SEE F.B. 1396-16 FOR DESCRIPTION
	3.180		220			5.130		215		
	2.960		442			4.915		432		
11.	9.542	3.181		3.618	84°	15.392	5.131		3.601	
										SUMMATION OF RUN B.M. 30-9 TO B.M. 30-12 TOTAL BACKSIGHTS = + 31.609 TOTAL FORESIGHTS = − 75.646 DIFF. IN ELEVATION = −44.037
		31.609					75.646			

F.B. 1396 PG. 121

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party: G. E. DREIER Weather: CLEAR Inst. No.: 50010
Notes by: R. HEMPELING Time: 2:45 to 3:00 Rod No.: 586

Name: **L.A. CO. PRECISE LEVEL NET**
Job No.: 4923
From: B.M. 30-12 To: T.B.M. #5
Date: 5-11-53
Indexed:

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.372 5.152 4.932		220 220 440		#5	3.419 3.203 2.984		219 216 435		B.M. 30-12 (F.C.B.M 120-48 7th ST & LOS CERRITOS CHANNEL SEE F.B. 1396-16 FOR DESCRIPTION
1	15.456	5.152		.440	83°	9.603	3.201		.435	
										B.M 30-11 (F.C.B.M. 73-WA) 7th ST. & LOS CERRITOS CHANNEL SEE F.B. 1396-16 FOR DESCRIPTION
	3.600 3.392 3.184		208 208 416			4.728 4.513 4.301		215 212 427		T. E. LANDA
2	10.176	3.392		.856		13.542	4.514		.862	
	5.023 4.812 4.600		211 212 423			5.429 5.214 5.002		215 212 427		
3	14.435	4.812		1.279		15.645	5.215		1.289	
	3829 3611 3397		218 214 432			3959 3749 3538		210 211 421		
4	10.837	3.612		1.711		11.246	3.749		1.710	
		16.968					16.679			

F.B. 1396 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 2:45 TO 3:20 Rod No. 546

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-12 To T.B.M. #5
Date 5-11-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		16.163		1.711			16.649		1.710	B.M. 30-10 (F.C.B.M. 120-4) VAC. ANAHEIM ST. & LOS CERRITOS CHANNEL SEE F.B. 1396-15 FOR DESCRIPTION
	6.470		200			5.678		201		
	6.270		198			5.477		199		
	6.072		398			5.278		400		
5.	18.812	6.271		2.109		16.433	5.478		2.110	
	6.609		119			0.600		118		T.B.M. #5 F.C.B.M. 73-1A VAC. ANAHEIM ST. E. OF PALO VERDE AVE. SEE F.B. 1396-14 FOR DESCRIPTION
	6.490		118			0.482		117		
	6.372		237			0.365		235		
6.	19.471	6.490		2.346	81°	1.447	0.482		2.345	
										SUMMATION OF RUN B.M. 30-12 to T.B.M. #5 TOTAL BACKSIGHT + 29.729 TOTAL FORESIGHT − 22.639 DIFF. IN ELEVATION + 7.090
		29.729					22.639			

F.B. 1396 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L.A. CO. PRECISE LEVEL NET
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. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 10:20 to 10:45 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-12 To B.M. 30-13
Date 5-5-53
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
	10.054		228		#5	4.448		219		B.M. 30-12 (F.C. B.M. 120-4B)
	9.626		229			4.229		218		LOS CERRITOS CHANNEL & 7TH ST
	9.197		457			4.011		437		SEE F.B. 1396-16
1	28.877	9.626		.457	88°	12.688	4.229		.437	FOR DESCRIPTION
	4.888		211			6.102		218		
	4.677		209			5.884		214		↑ E. LANDA
	4.468		420			5.670		432		
2	14.033	4.678		.877		17.656	5.885		.869	
	4.525		215			5.129		214		
	4.310		212			4.915		214		
	4.098		427			4.701		428		
3	12.933	4.311		1.304		14.745	4.915		1.297	
	5.419		212			4.223		217		
	5.207		210			4.006		215		
	4.997		422			3.791		432		
4	15.623	5.208		1.726		12.020	4.007		1.729	
	5.544		173			2.567		170		
	5.371		176			2.397		169		
	5.201		349			2.228		339		
5	16.116	5.372		2.069		7.192	2.397		2.068	
		29.195					21.433			

F.B. 1396 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 10:20 to 10:45 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-12 To B.M. 30-13
Date 5-5-53
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
	9.829	29.195	147	2.069		1.220	21.433	146	2.068	B.M. 30-13 (F.C. B.M. 73-1B)
	9.682		144			1.07[illegible]		147		7th ST & SAN GABRIEL RIVER
	9.538		291			0.927		293		SEE F.B. 1396-17
6.	29.049	9.683		2.360	91°	3.221	1.074		2.361	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 30-12 TO B.M. 30-13
										TOTAL BACKSIGHTS = + 38.878
										TOTAL FORESIGHTS = − 22.507
										DIFF. IN ELEVATION = +16.371
		38.878					22.507			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 11:00 TO 11:20 Rod No. 566

Name L.A. CO. PRECISE LEVEL NET
Job No. 4927
From B.M. 30-13 To B.M. 30-12
Date 5-5-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.198		148		#5	9.806		147		B.M 30-13 (F.C.B.M. 73-1B)
	1.050		148			9.659		146		7th ST & SAN GABRIEL RIVER
	0.902		296			9.513		293		SEE F.B. 1396-17
1.	3.150	1.050		.296	91°	28.978	9.659		.293	FOR DESCRIPTION
	2.950		168			5.728		173		
	2.589		169			5.555		173		T. E. LANDA
	2.420		337			5.382		346		
2.	7.766	2.589		.633		16.695	5.565		.639	
	4.089		216			5.284		212		
	3.873		214			5.072		211		
	3.659		430			4.861		423		
3	11.621	3.874		1.062		15.217	5.072		1.062	
	4.949		213			4.346		216		
	4.736		215			4.130		212		
	4.521		428			3.918		428		
4.	14.206	4.735		1.491		12.394	4.131		1.490	
	6.040		216			4.831		212		
	5.824		212			4.619		215		
	5.612		428			4.404		427		
5	17.476	5.825		1.919		13.854	4.618		1.917	
		18.073					29.045			

F.B. 1396 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 11:00 to 11:30 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-13 To B.M. 30-12
Date 5-5-53
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
	4599	18.073	227	1.919		9986	29.045	223	1.917	B.M. 30-12 (F.C. B.M. 120-45)
	4372		227			9763		219		LOS CERRITOS CHANNEL & 7th ST
	4145		454			9544		442		SEE F.B. 1396-16
6.	13.116	4.372		2.373	92°	29.293	9.764		2.359	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 30-13 TO B.M. 30-12
										TOTAL BACKSIGHTS = + 22.445
										TOTAL FORESIGHTS = − 38.809
										DIFF IN ELEVATION = − 16.364
		22.445					38.809			

F.B. 1396 PG. 108

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 G.E. DREIER Weather CLEAR-BREEZY Inst. No. 50010
Notes by G.E. DREIER Time 1:00 TO 2:15 Rod No. 5+6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-13 To B.M. 30-15
Date 5-5-53
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
	0.325		055		#5	5.623		055		B.M. 30-13 (F.C.B.M. 73-1 B)
	0.270		056			5.568		055		7th ST. & SAN GABRIEL RIVER
	0.214		111			5.513		110		SEE F.B. 1396-17
1.	8.09	0.270		111	94°	16.704	5.568		110	FOR DESCRIPTION
	2.801		100			10.649		093		
	2.701		097			10.556		094		T. E. LANDA
	2.604		197			10.462		187		
2.	8.106	2.702		308		31.667	10.556		297	
	1.808		076			3.187		079		
	1.732		073			3.108		079		
	1.659		149			3.029		158		
3.	5.199	1.733		457		9.324	3.108		455	
		4.705					19.232			B.M. 30-14 (F.C.B.M. 73-19)
										7th ST. & SAN GABRIEL RIVER
										SEE F.B. 1396-17
										FOR DESCRIPTION
	4.281		218			5.097		215		
	4.063		221			4.882		212		
	3.842		439			4.670		427		
4	12.186	4.062		896		14.649	4.883		882	
		8.767					24.115			

F.B. 1396 PG. 109

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR-BREEZY Inst. No. 50010
Notes by G.E. DREIER Time 1:00 TO 2:15 Rod No. 586

L.A. CO. PRECISE LEVEL NET
Name
Job No. 4923
From B.M. 30-13 To B.M. 30-15
Date 5-5-53
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
	6.053	8.767✓	216.896✓			6.062	24.115✓	214.882✓		
	5.837		214			5.848		213		
	5.623		430✓			5.635		427✓		
5	17.513✓	5.838✓		1.326✓		17.545✓	5.848✓		1.309✓	
	5.663		212			5.582		214		
	5.451		211			5.368		215		
	5.240		423✓			5.153		429✓		
6	16.354✓	5.451✓		1.749✓		16.103✓	5.368✓		1.738✓	SUMMATION OF RUN B.M. 30-13 TO B.M. 30-15
	5.332		214			4.737		217		TOTAL BACKSIGHTS + 34.341✓
	5.118		210			4.520		217		TOTAL FORESIGHTS - 48.104✓
	4.908		424✓			4.303		434✓		DIFF IN ELEVATION - 13.763✓
7	15.358✓	5.119✓		2.173✓		13.560✓	4.520✓		2.172✓	
	4.541		153			4.796		150		
	4.388		154			4.646		146		
	4.234		307✓			4.498		296		
8	13.163✓	4.388✓		2.480✓		13.940✓	4.647✓		2.468✓	
	4.923		145			3.752		147		B.M. 30-15 F.C. B.M. 73-2C
	4.778		146			3.605		145		SAN GABRIEL RIVER AT TOWER #19
	4.632		291✓			3.460		292✓		SEE F.B. 1396-18 & 19
9	14.333✓	4.778✓		2.777✓	90°	10.817✓	3.606✓		2.768✓	
		34.341✓					48.104✓			

F.B. 1396 PG. 110

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 C. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 2:20 TO 3:00 Rod No. 556

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-15 To B.M. 30-13
Date 5-7-53
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
	3.614		144		#5	4790		148		B.M. 30-15 (F.C.B.M. 73-2C)
	3.470		145			4642		144		SAN GABRIEL RIVER AT TOWER # 19
	3.325		289			4498		292		
1	10.409	3.470		.289	70°	13.930	4.643		.292	SEE F.B. 1396-18 & 19
	4.089		149			4521		153		
	4.640		150			4368		151		T. E. LANDA
	4.490		299			4217		304		
2	13.919	4.640		.588		13.106	4.369		.596	
	4.848		218			5.445		215		
	4.630		215			5.230		211		
	4.415		433			5.019		426		
3	13.893	4.631		1.021		15.694	5.231		1.022	
	5.568		214			5.650		212		
	5.354		213			5.438		215		
	5.141		427			5.223		427		
4	16.063	5.354		1.448		16.311	5.437		1.449	
	5.906		214			5.903		212		
	5.692		212			5.691		211		
	5.480		426			5.480		423		
5	17.078	5.693		1.874		17.074	5.691		1.872	
		23.788					25.371			

F.B. 1396 PG. 111

FORM 378 5M 7-48

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 2:20 TO 5:00 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-15 To B.M. 30-13
Date 5-7-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.081	23.988	212	1.874		4.269	25.391	219	1.872	
	4.869		211			4.050		218		
	4.658		423			3.832		437		
6.	14.608	4.869		2.297		12.151	4.050		2.309	
		28.657					29.421			B.M. 30-14 (F.C.B.M. 73-19) SAN GABRIEL RIVER & 7TH ST SEE F.B. 1396-17 FOR DESCRIPTION
	3.206		085			1.812		071		
	3.121		082			1.741		068		
	3.039		169			1.673		139		SUMMATION OF ROW
7.	9.366	3.122		2.464		5.226	1.742		2.448	B.M. 30-15 TO B.M. 30-13
	10.521		095			2.681		098		TOTAL BACKSIGHTS = + 42.415
	10.434		094			2.583		095		TOTAL FORESIGHTS = − 34.648
	10.340		181			2.488		193		DIFF. IN ELEVATION = +13.767
8.	31.303	10.434		2.653		7.752	2.584		2.641	
	6.262		063			0.951		050		B.M. 30-13 F.C.B.M. 73-18
	6.202		059			0.901		049		SAN GABRIEL RIVER & 7TH ST.
	6.143		119			0.852		099		SEE F.B. 1396-17
9.	18.607	6.202		2.772	70°	2.704	0.901		2.740	
		48.415					34.648			

F.B. 1396 PG. 112

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR-BREEZY Inst. No. 50010
Notes by G.E. DREIER Time 2:15 TO 3:40 Rod No. 5-6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-15 To B.M. 30-17
Date 5-5-53
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
	3.770		200		#5	4.513		204		B.M. 30-15 (F.C.B.M. 73-20)
	3.570		200			4.309		201		SAN GABRIEL RIVER AT TOWER #19
	3.370		400			4.108		405		SEE F.B. 1396-18 & 19
1	10.710	3.570		400	90°	12.930	4.310		405	
	5.879		210			5.639		202		
	5.669		208			5.437		201		⊼ E. LANDA
	5.461		418			5.236		403		
2	17.009	5.670		818		16.312	5.437		808	
	5.414		244			4.717		249		
	5.170		248			4.468		245		
	4.922		492			4.223		494		
3	15.506	5.169		1.310		13.408	4.469		1.502	
		14.409					14.216			T.B.M. F.C.B.M. 73-18
										SAN GABRIEL RIVER TOWER #20
										SEE F.B. 1396-18 & 19
	5.670		201			4.872		207		
	5.469		199			4.665		205		
	5.270		400			4.460		412		
4	16.409	5.470		1.710		13.997	4.666		1.714	
		19.879					18.882			

F.B. 1396 PG. 113

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. F. DREIER Weather CLEAR-BREEZY Inst. No. 50010
Notes by G. E. DREIER Time 2:15 TO 5:40 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-15 To B.M. 30-17
Date 5-5-53
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.401	19.879	200	1.710		5.143	18.882	194	1.714	
	5.201		201			4.949		195		
	5.000		401			4.755		389		
5	15.602	5.201		2.111		14.847	4.949	8	2.103	
	5.248		177			3.508		178		
	5.071		176			3.330		176		
	4.895		353			3.154		354		
6	15.214	5.071		2.464		9.992	3.331	6	2.459	
		30.151					27.162			B.M. 30-16 F.B. 73-30 SAN GABRIEL RIVER AT TOWER #21 SEE F.B. 1396-18 & 19
	3.544		190			5.050		195		
	3.354		189			4.855		194		
	3.165		379			4.661		389		
7	10.063	3.354		2.843		14.566	4.855	5	2.846	
	5.500		190			5.116		187		
	5.310		191			4.929		188		
	5.119		381			4.741		375		
8	15.929	5.310		3.224		14.786	4.929	0	3.224	
		38.815					36.946			

F.B. 1396 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 G. E. DREIER Weather CLEAR - WINDY Inst. No. 50010
Notes by G. E. DREIER Time 2:15 TO 3:40 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-15 To B.M. 30-17
Date 5-5-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.098	38.815	211	3.224		5.749	36.946	217	3.225	
	4.887		210			5.532		213		
	4.677		421			5.319		430		
9	14.662	4.887		3.645		16.600	5.533		3.654	
		43.702					42.479			T.B.M. F.C. BM 73-5 SAN GABRIEL RIVER & TOWER #22 SEE F.B. 1396 - 18 & 19
	6.050		193			4.753		191		
	5.857		190			4.562		189		SUMMATION OF RUN
	5.667		383			4.373		380		B.M. 30-15 TO B.M. 30-17
10	17.574	5.858		4.028		13.688	4.563		4.034	TOTAL BACKSIGHTS +59.598
	5.117		189			4.927		197		TOTAL FORESIGHTS -55.759
	4.928		189			4.730		194		DIFF. IN ELEVATION +3.839
	4.739		378			4.536		391		
11	14.784	4.928		4.406		14.193	4.731		4.422	
	5.301		191			4.170		185		B.M. 30-17 (F.C. B.M. 73-4C)
	5.110		190			3.985		183		SAN GABRIEL RIVER & TOWER #23
	4.920		381			3.802		368		SEE F.B. 1396 - 20 & 21
12	15.331	5.110		4.787	84°	11.957	3.986		4.789	
		59.598					55.759			

F.B. 1396 PG. 115

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 L. A. CO. PRECISE LEVEL NET
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. 1376 PG. 116										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 2:15 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-17 To B.M. 30-15
Date 5-7-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.198		186		#5	5.328		193		B.M. 30-17 (F.C.B.M 73-4C)
	4.012		182			5.135		192		SAN GABRIEL RIVER & TOWER #23
	3.830		368			4.943		385		SEE F.B. 1396-18 & 19
1	12.040	4.013		368	68°	15.406	5.135		385	
	4.903		195			5.091		190		
	4.708		195			4.901		189		
	4.513		390			4.712		379		
2	14.124	4.708		758		14.704	4.901		764	
	4.731		192			6.022		191		
	4.539		191			5.831		190		
	4.348		383			5.641		381		
3	13.618	4.539		1.141		17.494	5.831		1.145	
		13.260					15.867			T.B.M. F.C.B.M. 73-5
										SAN GABRIEL RIVER & TOWER #22
										SEE F.B. 1396-18 & 19
	5.696		216			5.046		214		
	5.480		212			4.832		212		
	5.268		428			4.620		426		
4	16.444	5.481		1.569		14.498	4.833		1.571	
		18.741					20.700			

F.B. 376 PG. 117

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 G. E. DREIER Weather CLEAR - WINDY Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 2:15 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-17 To B.M. 30-15
Date 5-7-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.942	18.741	192	1.569		5.326	20.700	193	1.571	
	4.750		190			5.133		193		
	4.560		382			4.940		386		
5	14.252	4.751		1.951		15.399	5.133		1.957	
	5.029		195			3.530		191		
	4.834		193			3.339		189		
	4.641		388			3.158		380		
6	14.504	4.835		2.339		10.019	3.340		2.337	
		28.327					29.173			B.M. 30-16 (F.C.B.M. 73-3C) SAN GABRIEL RIVER AT TOWER # 21 SEE F.B. 1396 - 18 & 19
	3.541		177			5.280		178		
	3.364		174			5.102		174		
	3.190		354			4.928		352		
7	10.095	3.365		2.690		15.310	5.103		2.689	
	5.090		192			5.353		201		
	4.898		195			5.152		201		
	4.703		387			4.951		402		
8	14.691	4.897		3.077		15.456	5.152		3.091	
		36.589					39.428			

F.B. 1396 PG. 118

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 2:15 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-17 To B.M. 30-15
Date 5-7-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.733	36.589	210	3.077		5.534	39.428	200	3.091	
	4.523		208			5.334		197		
	4.315		418			5.137		397		
9	13.571	4.524		3.495		16.005	5.335		3.488	
		41.113					42.763			T.B.M. F.C.B.M. 73-18 SAN GABRIEL RIVER & TOWER # 20 SEE F.B. 1396-18 & 19
	4.793		245			5.498		250		
	4.548		248			5.248		246		SUMMATION OF RUN B.M. 30-17 TO B.M. 30-15
	4.300		493			5.002		496		TOTAL BACKSIGHTS + 55.474
10	13.641	4.547		3.998		15.748	5.249		3.984	
	5.632		202			5.873		211		TOTAL FORESIGHTS - 59.321
	5.430		202			5.662		209		DIF. IN ELEV. - 3.849
	5.228		404			5.453		420		
11	16.290	5.430		4.402		16.988	5.663		4.404	
	4.587		203			3.850		202		B.M. 30-15 (F.C.B.M. 73-20) SAN GABRIEL RIVER & TOWER # 19 SEE F.B. 1396-18 & 19 FOR DESCRIPTION
	4.384		204			3.648		200		
	4.180		407			3.448		402		
12	13.151	4.384		4.809	76°	10.946	3.649		4.806	
		55.474					59.324			

F.B. 1396 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L. A. CO. PRECISE LEVEL NET
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. 1396 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 G. E. DREIER Weather CLOUDY Inst. No. 50010
Notes by R. HEMPELING Time 11:30 To 12:10 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-15 To B.M. 30-17
Date 5-8-53 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
	3.903		203		#5	4.637		204		B.M. 30-15 (F.C. B.M. 73-2C)
	3.617		202			4.433		201		SAN GABRIEL RIVER AT TOWER #19
	3.495		405			4.232		405		SEE F.B. 1396-18 & 19
1.	11.092	3.697		.405	68°	13.302	4.434		.405	
	5.780		210			5.541		204		
	5.570		208			5.337		204		T. E. LANDA
	5.362		415			5.133		408		
2.	16.712	5.57		.828		16.011	5.337		.813	
	5.452		245			4.948		246		
	5.207		244			4.702		247		
	4.963		489			4.455		493		
3.	15.622	5.207		1.312		13.505	4.502		1.306	
		14.475					14.273			T.B.M. F.C. B.M. 73-18
										SAN GABRIEL RIVER & TOWER #20
										SEE F.B. 1396-18 & 19
	5.093		262			4.976		208		
	5.572		199			4.768		208		
	5.393		397			4.560		416		
4.	16.017	5.572		1.111		14.304	4.768		1.232	
		20.047					19.041			

F.B. 1396 PG. 121

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLOUDY Inst. No. 50010
Notes by R. HEMPELING Time 11:30 TO 12:00 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4933
From B.M. 30-15 To B.M. 30-17
Date 5-8-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.410	20.047	200	1.711		5.152	17.941	194	1.722	
	5.210		199			4.958		196		
	5.017		399			4.768		384		
5	15.631	5.210		2.110		14.878	4.959		2.106	
	5.320		180			3.591		179		
	5.140		177			3.400		178		
	4.963		357			3.222		357		
6	15.423	5.141		2.467		10.201	3.400		2.463	
		30.398					27.400			B.M. 30-16 (F.C. B.M. 73-30) SAN GABRIEL RIVER AT TOWER #21 SEE F.B. 1396-18 & 19
	3.458		189			4.962		196		
	3.269		189			4.766		195		
	3.080		378			4.571		391		
7	9.807	3.269		2.845		14.299	4.766		2.854	
	5.451		191			5.063		186		
	5.260		191			4.877		187		
	5.069		382			4.690		373		
8	15.780	5.260		3.227		14.630	4.877		3.227	
		38.927					37.043			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9.30 to 10.45 Rod No. 546

Name **L. A. CO. PRECISE LEVEL NET.**
Job No. 4923
From B.M. 30-15 To B.M. 30-17
Date 5-12-53
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
	4.994	38.927	217	3.227		5.632	37.043	209	3.227	
	4.777		217			5.423		207		
	4.560		434			5.216		416		
9	14.331	4.777		3.661		16.271	5.424		3.643	
		43.704					42.467			T.B.M. F.C.B.M. 73-5 SAN GABRIEL RIVER & TOWER #23 SEE F.B. 1396-18 & 19
	6.055		195			4.753		190		
	5.860		192			4.563		189		
	5.668		387			4.374		379		SUMMATION OF RUN
10	17.583	5.861		4.048		13.690	4.563		4.022	B.M. 30-15 to B.M. 30-17
	5.128		199			4.918		190		TOTAL BACKSIGHTS = 59.592
	4.929		200			4.728		188		TOTAL FORESIGHTS = 55.738
	4.729		399			4.540		378		DIFF. IN ELEVATION = + 3.854
11	14.786	4.929		4.447		14.186	4.729		4.400	
	5.286		188			4.166		187		B.M. 30-17 (F.C.B.M. 73-4C)
	5.098		188			3.979		187		SAN GABRIEL RIVER & TOWER #23
	4.910		376			3.792		374		SEE F.B. 1396-20 & 21
12	15.294	5.098		4.823	81°	11.937	3.979		4.774	
		59.592					55.738			

F.B. 1396 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L. A. CO. PRECISE LEVEL NET
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. 1396 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO 10:00 Rod No. 5 56

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 30-17 To B.M. 30-18
Date 5-6-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.820		192		#6	5.332		197		B.M. 30-17 (F.C.B.M. 73-4C)
	4.628		194			5.135		197		SAN GABRIEL RIVER AT TOWER # 23
	4.434		386			4.928		394		SEE F.B. 1396-20 & 21
1	13.882	4.627		.386	79°	15.405	5.135		394	
	5.340		201			5.739		190		
	5.139		198			5.549		189		π E. LANDA
	4.941		399			5.360		379		
2	15.420	5.140		.785		16.648	5.549		773	
	6.651		192			6.400		192		
	6.459		190			6.208		190		
	6.269		382			6.018		382		
3	19.379	6.460		.1167		18.626	6.209		1155	
		16.227					16.893			T.B.M. F.C.B.M. 73-7
										SAN GABRIEL RIVER AT TOWER # 24
										SEE F.B. 1396-20 & 21
	7.730		196			4.589		199		
	7.534		194			4.390		197		
	7.340		390			4.193		396		
4	22.604	7.535		1.557		13.172	4.391		1.551	
		23.762					21.284			

F.B. 1396 PG. 125

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO 16:[illegible] Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-17 To B.M. 30
Date 5-6-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.498	3.762	199	1.557		4.303	4.284	196	1.554	
	5.299		198			4.107		195		
	5.101		397			3.909		394		
5	15.898	5.299		1.954		12.319	4.106		1.945	
	3.623		184			3.457		189		
	3.438		184			3.268		186		
	3.254		368			3.082		375		
6	10.314	3.438		2.322		9.807	3.269		2.320	
		32.499					24.659			T.B.M. F.C. B.M. 23-50 SAN GABRIEL RIVER AT TOWER #25 SEE F.B. 1396-20 & 21
	3.357		200			3.229		202		
	3.157		199			3.027		200		
	2.958		399			2.827		403		
7	9.472	3.157		2.721		9.083	3.027		2.722	
	5.220		199			4.468		198		
	5.021		198			4.270		198		
	4.823		397			4.072		396		
8	15.064	5.021		3.118		12.810	4.270		3.118	
		40.677					35.957			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 8:30 TO 10:00 Rod No. 596

Name L.A. CO. PRECISE LEVEL NET
Job No. 50010
From B.M. 30-17 To B.M. 30-18
Date 5-6-53
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
	5400	40.677	192	3.118		5824	35.957	193	3.118	
	5.208		192			5.631		191		
	5.016		384			5440		384		
9	15.624	5.208		3.502		16.895	5.632		3.502	
		45.385					41.589			F.B.M. F.C. B.M. 73-17 SAN GABRIEL RIVER AT TOWER # 26 SEE F.B. 1396-20 & 21
	6.109		191			4.780		204		
	5.918		18			4.576		202		SUMMATION OF RUN
	5.728		384			4.373		407		B.M. 30-17 TO B.M. 30-18
10	17.756	5.919		3.882		13.729	4.576		3.909	TOTAL BACKSIGHTS +59.457
	4.602		202			3.740		203		TOTAL FORESIGHTS - 53.351
	4.400		201			3.537		202		DIFF IN ELEVATION +6.106
	4.199		403			3.335		405		
11	13.201	4.400		4.285		10.612	3.537		4.314	
	3.473		221			3.858		209		B.M. 30-18 (F.C.B.M. 73-66)
	3.252		219			3.649		209		SAN GABRIEL RIVER TOWER # 27
	3.033		440			3.440		418		SEE F.B. 1396- 22 & 23
12	9.758	3.253		4.725	81°	10.947	3.649		4.732	
		59.457					53.351			

F.B. 1396 PG. 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 L. A. CO. PRECISE LEVEL NET
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. 1396 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 G. E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G. E. DREIER Time 10:30 TO 12:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-18 To B.M. 30-17
Date 5-7-53
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
	3793		219		#5	3.393		213		B.M. 30-18 (F.C. B.M. 73-6 C)
	3.574		217			3.180		211		SAN GABRIEL RIVER & TOWER #27
	3357		436			2.969		424		SEE F.B. 1396-22 & 23
1	10.724	3.575		436	68°	9.542	3.181		424	
	4.227		205			5.092		202		
	4.022		202			4.890		201		J. EDWARD C. LANDA
	3820		407			4.689		403		
2	12.069	4.023		843		14.671	4.890		827	
	4.772		204			6.103		192		
	4.568		204			5.911		191		
	4.364		408			5.720		383		
3	13.704	4.568		1.251		17.734	5.911		1.210	
		12.166					13.982			T.B.M. F.C.B.M. 73-19
										SAN GABRIEL RIVER AT TOWER # 26
										SEE F.B. 1396-20 & 21
	5.665		188			5.244		195		
	5.471		192			5.049		192		
	5.279		38			4.857		387		
4	16.410	5.470		1.632		15.150	5.050		1.597	
		17.636					19.032			

F.B. 1396 PG. 129

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party C. E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by C. E. DREIER Time 10:50 TO 12:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-18 To B.M. 30-17
Date 5-7-53
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
	3352	17.636	199	1632		4101	19.332	196	1.597	
	3153		199			3905		195		
	2954		398			3.710		391		
5	9.459	3.153		2030		11.716	3.905		1.988	
	3.257		203			3390		203		
	3.054		201			3.187		199		
	2.853		404			2988		402		
6	9.164	3055		2.434		9.563	3188		2390	
		23.844					26.125			T.B.M. F.C.B.M. 73-56 SAN GABRIEL RIVER & TOWER #25 SEE F.B. 1396-20 & 21
	4.121		183			4.298		191		
	3.938		185			4.107		188		
	3.753		368			3.919		379		
7	11.812	3.937		2.802		12.324	4108		2.769	
	4.390		190			5.601		204		
	4.200		189			5.397		207		
	4.011		379			5.190		411		
8	12.601	4.200		3.181		16.188	5.396		3.180	
		31.981					35.629			

F.B. 1396 PG. 130

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G. E. DREIER Time 10:58 TO 12:00 Rod No. 5 #6

Name L. A. CO. PRECISE LEVEL NET
Job No. 41923
From B.M. 30-18 To B.M. 30-17
Date 5-7-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3.458	3.198	198	3.181		6.598	6.629	196	3.180	
	3.260		199			6.402		193		
	3.061		397			6.209		389		
9	9.779	3.260		3.578		19.209	6.403		3.569	
		35.241					22.032			T.B.M. F.C.B.M. 73-7 SAN GABRIEL RIVER AT TOWER # 24 SEE F.B. 1396-20 & 21
	6.020		190			6.277		195		SUMMATION OF RUN B.M. 30-18 TO B.M. 30-17
	5.830		187			6.082		192		TOTAL BACKSIGHTS + 51.595
	5.643		377			5.890		387		TOTAL FORESIGHTS -57.730
10	17.493	5.831		3.955		18.249	6.083		3.956	DIFF IN ELEVATION -6.135
	5.673		196			5.268		196		
	5.477		195			5.072		94		
	5.282		391			4.878		390		
11	16.432	5.477		4.346		15.218	5.073		4.346	
	5.243		197			4.737		196		B.M. 30-17 (F.C.B.M. 73-46) SAN GABRIEL RIVER AT TOWER # 23 SEE F.B. 1396-20 & 21
	5.046		197			4.541		193		
	4.849		394			4.348		389		
12	15.138	5.046		4.740	68°	13.626	4.542		4.735	
		51.595					57.730			

F.B. 1396 PG. 131

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L. A. CO. PRECISE LEVEL NET
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. 1396 PG. 132										

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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:45 TO 12:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-17 To B.M. 30-18
Date 5-12-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4569		196		#5	5072		195		B.M. 30-17 (F.C. B.M. 73-4C)
	4373		193			4.877		196		SAN GABRIEL RIVER AT TOWER #23
	4180		389			4.681		391		SEE F.B. 1396-20 & 21
1.	13122	4.374		389	81°	14630	4.877		391	
	5303		200			5700		190		
	5.103		96			5.510		191		⊼ E. LANDA
	4907		396			5.319		381		
2.	15313	5.104		785		16529	5.510		772	
	6310		192			6060		191		
	6.118		193			5.869		188		
	5.925		385			5.681		379		
3.	18353	6.118		1.170		17.610	5.870		1.151	
		15.596					16.257			T.B.M. F.C. B.M. 73-7
										SAN GABRIEL RIVER AT TOWER #24
										SEE F.B. 1396-20 & 21
	7540		197			4399		198		
	7.343		194			4.201		194		
	7.149		391			4.007		392		
4.	22.032	7.344		1.561		12.607	4.202		1.543	
		22940					20.459			

F.B. 1396 PG. 133

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:45 TO 12:00 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4928
From B.M. 30-19 To B.M. 30-18
Date 5-12-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.503	22.940	198	1.561		4.305	22.459	195	1.543	
	5.305		200			4.110		197		
	5.105		398			3.913		392		
5.	15.913	5.304		1.959		12.328	4.109		1.935	
	3.509		180			3.350		190		
	3.329		179			3.160		191		
	3.150		359			2.969		381		
6.	9.988	3.329		2.318		9.479	3.160		2.316	
		31.573					28.728			T.B.M. F.C.B.M. 73-5C SAN GABRIEL RIVER & TOWER #25 SEE F.B. 1396-20 & 21
	3.125		201			2.991		201		
	2.934		197			2.790		200		
	2.727		398			2.590		401		
7.	8.776	2.925		2.716		8.371	2.790		2.717	
	5.105		197			4.353		198		
	4.908		195			4.155		195		
	4.710		395			3.960		393		
8.	14.723	4.908		3.111		12.468	4.156		3.110	
		39.406					38.674			

F.B. 1396 PG. 134

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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:45 to 12:00 Rod No. 5&6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-17 To B.M. 30-18
Date 5-12-53
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
	5.277	39.436	195	3.111		5.697	34.674	194	3.110	
	5.082		192			5.503		192		
	4.890		387			5.311		386		
9.	15.249	5.083		3.498		16.511	5.504		3.496	
		44.489					40.178			T.B.M. F.C.B.M. 73-17 SAN GABRIEL RIVER AT TOWER #26 SEE F.B. 1396 - 20 & 21
	6.225		191			4.597		206		
	6.037		188			4.691		202		
	5.849		379			4.489		408		SUMMATION OF RUN
10.	18.114	6.038		3.877		14.077	4.692		3.904	B.M. 30-17 TO B.M. 30-18
	4.673		203			3.802		203		TOTAL BACKSIGHTS = + 57.661
	4.470		200			3.599		201		TOTAL FORESIGHTS = − 51.530
	4.270		403			3.395		404		DIFF. IN ELEVATIONS = + 6.131
11.	13.413	4.471		4.280		10.799	3.600		4.308	
	2.875		212			3.273		214		B.M. 30-18 (F.C.B.M. 73-60)
	2.665		211			3.059		211		SAN GABRIEL RIVER AT TOWER #27
	2.452		423			2.848		425		SEE F.B. 1396 - 22 & 23
12	7.990	2.663		4.703	86	9.180	3.060		4.733	
		57.661					51.530			

F.B. 1396 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L. A. CO. PRECISE LEVEL NET
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. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 9:45 to 10:00 Rod No. 586

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-17 To T.B.M. TOWER #22
Date 5-13-53
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
	4.118		186			5.235		189		B.M. 30-17 (F.C.B.M. 73-4C)
	3.932		184			5.046		187		SAN GABRIEL RIVER + TOWER #23
	2.743		370			4.859		376		SEE F.B. 1396-20 & 21
1.	11.798	3.933		.370		15.140	5.047		.376	
	4.921		188			5.129		199		
	4.733		185			4.930		198		T. E. LANDA
	4.548		373			4.732		397		
2.	14.202	4.734		.743		14.791	4.930		.773	
	4.857		197			6.133		183		T.B.M. F.C.B.M. 73-5
	4.660		198			5.950		182		SAN GABRIEL RIVER + TOWER #22
	14.62		395			5.768		365		SEE F.B. 1396-18 & 19
3.	13.979	4.660		1.138	.730	17.851	5.950		1.138	
										SUMMATION OF SUN B.M. 30-17 TO T.B.M. TOWER #22
										TOTAL BACKSIGHTS = 13.327
										TOTAL FORESIGHTS = 15.927
										DIFF. IN ELEVATION = -2.600
		13.327					15.927			

F.B. 1396 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 10:05 to 10:20 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4323
From T.B.M. TOWER #22 To B.M. 30-17
Date 5-13-58
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
	6.121		191		#5	4.820		191		T.B.M. F.C.B.M. 73-5
	5.930		192			4.629		189		SAN GABRIEL RIVER & TOWER #22
	5.738		383			4.440		380		SEE F.B. 1396-18 & 19
1.	17.789	5.930		.383	73°	13.889	4.630		.380	
	5.057		189			4.868		198		T. E. LANDA
	4.868		188			4.670		196		
	4.680		377			4.474		394		
2.	14.605	4.868		.760		14.012	4.671		.774	
	5.224		192			4.098		186		B.M. 30-17 (F.C.B.M. 73-40)
	5.032		189			3.912		183		SAN GABRIEL RIVER & TOWER #23
	4.843		381			3.729		369		SEE F.B. 1396 20 & 21
3.	15.099	5.033		1.141	72°	11.739	3.913		1.143	
										SUMMATION OF RUN T.B.M. TOWER #22 TO B.M. 30-17
										TOTAL BACKSIGHTS = + 15.831
										TOTAL FORESIGHTS = - 13.214
										DIFF. IN ELEVATION = + 2.617
		15.831					13.214			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 10:25 TO 10:35 Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-17 To T.B.M. TOWER #22
Date 5-13-53
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
	4.065		190		#5	5.179		185		B.M. 30-17 (F.C.B.M. 73-4C)
	3.873		189			4.994		134		SAN GABRIEL RIVER & TOWER #22
	3.659		379			4.812		369		SEE F.B. 1396-20 & 21
1.	11.635	3.878		.379	72°	14.983	4.994		.369	
	4.837		197			5.032		192		
	4.640		193			4.840		188		T. E. LANDA
	4.447		390			4.652		378		
2.	13.924	4.641		.769		14.524	4.841		.747	
	4.865		185			6.174		197		T.B.M. F.C.B.M. 73-5
	4.680		183			5.977		196		SAN GABRIEL RIVER & TOWER #22
	4.497		368			5.781		393		SEE F.B. 1396-18 & 19
3.	14.042	4.681		1.137	71°	17.932	5.977		1.140	
										SUMMATION OF LINE B.M. 30-17 TO T.B.M. TOWER #22
										TOTAL BACKSIGHTS = + 13.200
										TOTAL FORESIGHTS = − 15.812
										DIFF. IN ELEVATION = − 2.612
		13.200					15.812			

F.B. 1396 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 10:50 TO 11:05 Rod No. 5&6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From T.B.M. TOWER #22 To B.M. 30-17
Date 5-13-52
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.214		193		#5	4.912		191		T.B.M. F.C.B.M. 73-5
	6.021		192			4.721		191		SAN GABRIEL RIVER & TOWER # 22
	5.829		385			4.530		382		SEE F.B. 1396-18 & 19
1.	18.064	6.021		.385	71°	14.163	4.721		.382	
	4.993		191			4.982		193		
	4.782		189			4.589		193		TO E. LANDA
	4.593		380			4.396		386		
2.	14.348	4.783		.765		13.967	4.589		.768	
	5.144		185			4.029		191		B.M. 30-17 (F.C.B.M. 73-4C)
	4.959		187			3.838		188		SAN GABRIEL RIVER & TOWER # 23
	4.772		372			3.650		379		SEE F.B. 1396-20 & 21
3.	14.875	4.958		1.137	70°	11.517	3.839		1.147	
F.B. 1396 PG. 140										SUMMATION OF RUN T.B.M. TOWER #22 TO B.M. 30-17
										TOTAL BACKSIGHTS = + 15.762
										TOTAL FORESIGHTS = − 13.149
										DIFF. IN ELEVATION = + 2.613
		15.762					13.149			

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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:45 Rod No. 556

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 32-18 To B.M. 8-30
Date 5-6-53
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
	3.072		183		76	5.471		197		B.M. 20-18 F.C.B.M.
	2.889		187			5.276		195		SAN GABRIEL RIVER + TOWER #27
	2.702		370 ✓			5.079		392 ✓		SEE F.B. 1396-22 & 23
1	8.663	2.888 ✓		370 ✓	81°	15.824	5.275 ✓		392 ✓	
	3.962		196			3.770		192		
	3.767		195			3.578		196		π ELAND
	3.572		390 ✓			3.382		388 ✓		
2	11.301	3.767 ✓		760 ✓		10.730	3.577 ✓		780 ✓	
	4.511		156			4.511		156		
	4.355		157			4.355		155		
	4.198		313 ✓			4.200		311 ✓		
3	13.064	4.355 ✓		1073 ✓		13.066	4.355 ✓		1091 ✓	
	4.679		160			5.414		155		
	4.519		161			5.259		157		
	4.358		321 ✓			5.132		312 ✓		
4	13.556	4.519 ✓		1394 ✓		15.865	5.288 ✓		1403 ✓	
										B.M. F.C.B.M. AT TOWER #28 ALONG SAN GABRIEL RIVER
										SEE F.B. 1396-22 & 23
		15.529 ✓					18.495 ✓			

F.B. 1396 PG. 141

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party C. E. DREIER Weather CLEAR & [illegible] Inst. No. 50010
Notes by C. E. DREIER Time 10:00 TO 11:45 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 30-18 To B.M.
Date 5-6-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.438	15.529	215	1394		4.952	15.495	210	1403	
	5.223		212			4.748		207		
	5.011		427			4.535		417		
5	15.672	5.224		1.821		14.229	4.743		1.820	
	5.180		213			4.958		217		
	4.967		209			4.7[illegible]		214		
	4.758		422			4.527		431		
6	14.905	4.968		2.243		14.226	[illegible]742		2.25[illegible]	
	5.565		169			5.238		166		
	5.396		166			5.072		162		
	5.230		335			4.910		328		
7	16.191	5.397		2.578		15.220	[illegible]073		2.579	
		31.118					[illegible]753			B.M. 30-19 (F.C.B.M. 73-7C, RESET) SAN GABRIEL RIVER AT TOWER # 29 SEE F.B. 1396-22 & 23
	5.790		187			[illegible]		192		
	5.603		183			4.848		[illegible]		
	5.420		370			4.6[illegible]		382		
8	16.813	5.604		2.948		14.546	4.849		2.961	
		36.722					[illegible]02			

F.B. 1396 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 G. E. DREIER Weather CLEAR BREEZY Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:45 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-18 To B.M. 8-30
Date 5-6-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.721	36.722	11	2.948		5.008	37.902	190	2.961	
	5.530		190			4.818		189		
	5.340		381			4.629		379		
9	16.591	5.530		3.329		14.455	4.818		3.340	
	5.588		209			5.268		201		
	5.379		207			5.067		200		
	5.172		416			4.867		401		
10	16.139	5.380		3.745		15.202	5.067		3.741	
		47.632					47.787			B.M. 30-20 (F.C.B.M. 73-8C RESET) SAN GABRIEL RIVER AT TOWER #30 SEE F.B. 1396-22 & 23
	5.564		187			5.931		191		
	5.377		187			5.740		19		
	5.190		374			5.549		382		
11	16.131	5.377		4.119		17.220	5.740		4.123	
	5.469		211			5.414		214		
	5.258		210			5.200		211		
	5.048		421			4.989		425		
12	15.775	5.258		4.540		15.603	5.201		4.548	
		58.267					58.728			

F.B. 1396 PG. 143

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR-BREEZY Inst. No. 50016
Notes by G.E. DREIER Time 10:00 TO 11:45 Rod No. 5.8.6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-18 To B.M. 8-
Date 5-6-52
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.570	58.267	252	4.540		6.260	56.728	252	4.548	
	5.318		250			6.008		251		
	5.068		502			5.757		5031		
13	15.956	5.319		5.042		18.025	6.008		5.051	
		62.586					62.736			T.B.M. F.C. MON AT TOWER #31 SAN GABRIEL RIVER SEE F.B. 1396-24 & 25
	6.411		211			5.340		217		
	6.200		209			5.123		215		
	5.991		420			4.908		432		
14	18.602	6.201		5.462		15.371	5.124		5.483	
	5.357		215			5.052		213		
	5.142		212			4.839		216		
	4.930		427			4.623		429		
15	15.429	5.143		5.889		14.514	4.838		5.912	
	5.278		223			4.950		217		
	5.055		223			4.733		213		
	4.832		446			4.520		430		
16	15.165	5.055		6.335		14.203	4.734		6.342	
		79.985					79.432			

F.B. 396 PG. 144

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:45 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 41923
From B.M. 30-18 To B.M. 8-30
Date 5-6-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		79.985		6.335			79.432		6.342	B.M. 30-21 F.C.B.M. 73-9C SAN GABRIEL RIVER & TOWER #32 SEE F.B. 1396-24 & 25
	5.784		208			4.870		215		
	5.576		207			4.655		214		SUMMATION OF RUN
	5.369		415			4.441		429		B.M. 30-18 TO B.M. 8-30
17	16.729	5.576		6.750		13.966	4.655		6.771	TOTAL BACKSIGHTS +102.677
	5.977		218			5.530		213		TOTAL FORESIGHTS -99.079
	5.759		214			5.317		215		DIFF IN ELEVATION + 3.598
	5.545		432			5.102		428		
18	17.281	5.760		7.182		15.949	5.316		7.199	
	5.884		136			5.384		135		
	5.755		133			5.249		137		
	5.620		269			5.112		272		
19	17.262	5.754		7.451		15.745	5.248		7.471	
	5.740		139			4.568		140		B.M. 8-30 (F.C.B.M. 73-33T,
	5.601		135			4.428		140		SAN GABRIEL RIVER & SPRING ST.
	5.466		274			4.288		280		SEE F.B. 1209-27
20	16.807	5.602		7.725	86°	13.284	4.428		7.751	FOR DESCRIPTION
		102.677					99.079			

F.B. 1396 PG. 145

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L. A. CO. PRECISE LEVEL NET
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. 1396 PG. 146										

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 G. E. DREIER Weather CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:50 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-30 To B.M. 30-18
Date 5-7-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.579		140		#5	5.749		139		B.M. 8-30 (F.C. 73-33T)
	4.439		139			5.610		137		SPRING ST & SAN GABRIEL RIVER
	4.300		279			5.473		276		SEE F.B. 1209-27 FOR
1.	13.318	4.439		.279	63°	16.832	5.611		.276	DESCRIPTION
	5.452		135			5.960		135		
	5.317		136			5.825		135		⊼ E. LANDA
	5.181		271			5.690		270		
2.	15.950	5.317		.550		17.475	5.825		.546	
	5.560		215			6.008		218		
	5.345		212			5.790		215		
	5.133		427			5.575		433		
3.	16.038	5.346		.977		17.373	5.791		.979	
	4.785		214			5.707		210		
	4.571		212			5.497		210		
	4.359		426			5.287		420		
4.	13.715	4.572		1.403		16.491	5.497		1.399	
										B.M. 30-21 (F.C.B.M. 73-9C)
										SAN GABRIEL RIVER & TOWER #32
										SEE F.B. 1396-24 & 25
		19674					22724			

F.B. 1396 PG. 147

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9:30 to 10:00 Rod No. 556

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4933
From B.M. 8-20 To B.M. 30-18
Date 5-7-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.019	19.674	219	1.403		5.341	19.924	219	1.399	
	4.800		217			5.122		218		
	4.583		436			4.904		437		
5	14.402	4.801		1.839		15.367	5.122		1.836	
	5.128		216			5.431		213		
	4.912		212			5.218		216		
	4.700		428			5.002		429		
6	14.740	4.913		2.267		15.651	5.217		2.265	
	5.309		217			6.381		212		
	5.092		214			6.169		209		
	4.878		431			5.960		421		
7	15.279	5.093		2.698		18.510	6.170		2.686	
		34.481					39.233			T.B.M. F.C. MON. AT TOWER 31
										SAN GABRIEL RIVER
										SEE F.B. 1396-24 & 25
	6.224		252			5.533		251		
	5.972		249			5.282		248		
	5.723		501			5.034		499		
8	17.919	5.973		3.199		15.849	5.283		3.184	
		40.454					44.516			

F.B. 1396 PG. 148

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 C. E. DREIER Weather CLEAR Inst. No. 50010
Notes by C. E. DREIER Time 9:30 TO 10:50 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-30 To B.M. 30-18
Date 5-7-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.069	60.867	191	4.778		5.822	65.655	185	4.781	
	4.878		189			5.637		187		
	4.689		380			5.450		372		
13	14.636	4.879		5.158		16.909	5.636		5.158	
		65.746					71.291			B.M. 30-19 (C.B.M. 73-7C RESET) SAN GABRIEL RIVER & TOWER #29 SEE F.B. 1396-22 & 23
	5.196		165			5.527		170		
	5.031		161			5.357		168		
	4.870		326			5.189		338		
14	15.097	5.032		5.484		16.073	5.358		5.491	
	4.918		216			5.139		211		
	4.702		214			4.928		210		
	4.488		430			4.718		421		
15	14.108	4.703		5.914		14.785	4.928		5.913	
	4.868		211			5.354		211		
	4.657		209			5.143		209		
	4.448		420			4.934		420		
16	13.973	4.658		6.334		15.431	5.144		6.333	
		80.139					86.721			

F.B. 1396 PG. 150

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:50 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-30 To B.M. 30-18
Date 5-7-53
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
	5.356	40.454	215	3.199		5.411	[illegible]	211	3.184 5	
	5141		212			5.200		211		
	4929		427			4.989		422		
9	15.426	5.142		3.626		15.600	5.[illegible]		3.606 7	
	5.935		192			5.570		188		
	5.743		190			5.382		184		
	5.553		382			5.198		372		
10	17.231	5.744		4.008		16.150	5.[illegible]		3.978 9	
		51.340					55.[illegible]			B.M. 30-20 (F.C.B.M. 73-80 RESET) SAN GABRIEL RIVER & TOWER # 30 SEE F.B. 1396-22 & 23
	5232		197			5.557		210		
	5.035		194			5.347		210		
	4.841		391			5.137		424		
11	15.108	5.036		4.399		16.041	5.347		4.398 9	
	4.681		190			5.401		193		
	4.491		189			5.208		190		
	4.302		379			5.018		383		
12	13.474	4.491		4.778		15.627	5.[illegible]		4.784 2	
		60.867					65.655			

F.B. 1396 PG. 149

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR-BREEZY Inst. No. 50010
Notes by G. E. DREIER Time 9:00 TO 10:50 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NE
Job No. 4923
From B.M 8-30 To B.M. 30-18
Date 5-7-53
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
		80.139		6.334			86.72		6.332 3	T.B.M. F.C. MON + TOWER #28 SAN GABRIEL RIVER SEE F.B. 1396-22 & 23
17	5.540 5.381 5.222 16.143	5.381	159 159 318	6.653		4.770 4.610 4.450 13.830	4.610	160 160 320	6.652 3	
18	5.149 4.990 4.833 14.972	4.991	159 157 316	6.968		5.150 4.990 4.834 14.974	4.991	160 156 316	6.968 9	SUMMATION OF RUN B.M. 8-30 TO B.M. 30-18 TOTAL BACKSIGHTS + 100.232
19	4.605 4.450 4.298 13.353	4.451	195 192 387	7.355		4.835 4.641 4.450 13.926	4.642	194 191 385	7.353 4	TOTAL FORESIGHTS - 103.851 DIFF IN ELEVATION - 3.619
20	5.467 5.270 5.073 15.810	5.270	197 197 394	7.749	68°	3.074 2.888 2.699 8.661	2.887	186 189 375	7.728 9	B.M. 30-18 (F.C.L.M. 73-6C) SAN GABRIEL RIVER & TOWER # 27 SEE F.B. 1396-22 & 23
		100.232					103.851			

F.B. 1396 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 ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L. A. CO. PRECISE LEVEL NET
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. 1396 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 G. E. DREIER Weather CLEAR-WIND Inst. No. 50010
Notes by G. E. DREIER Time 1:00 to 2:30 Rod No. 5&6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4938
From B.M. 30-18 To B.M. 8-30
Date 5-12-53
Indexed R. A. 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
	3.197		188		#5	5.589		198		B.M. 30-18 F.C. B.M.
	3.009		189			5.390		201		SANGABRIEL RIVER & TOWER #27
	2.820		377			5.190		399		SEE F.B. 1396-22 & 23
1	9.026	3.009		377	84°	16.170	5.390		399	
	4.860		192			4.675		195		
	4.668		193			4.480		195		T. E. LANLA
	4.475		385			4.285		390		
2	14.003	4.668		762		13.440	4.480		789	
	5.332		162			5.330		154		
	5.170		161			5.170		151		
	5.009		323			5.019		305		
3	15.511	5.170		1085		15.513	5.171		1094	
	4.690		165			5.448		154		
	4.525		165			5.294		154		
	4.360		330			5.140		308		
4	13.575	4.525		1415		15.882	5.294		1402	
										T.B.M. F.C. NOW AT TOWER #28 ALONG SAN GABRIEL RIVER SEE F.B. 1396-22 & 23
		17.372					20.335			

F.B. 1396 PG. 153

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR - WINDY Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 2:30 Rod No. 5-6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-18 To B.M. 8-30
Date 5-12-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.267	17.372	214	1415		4.780	[illegible]	211	1402	
	5.052		212			4.569		207		
	4.841		426			4.362		418		
5	15.161	5.054		1.841		13.711	4.570		1.820	
	5.168		211			4.945		215		
	4.957		210			4.730		213		
	4.747		421			4.517		428		
6	14.872	4.957		2.262		14.192	4.73[illegible]		2.248	
	5.520		167			5.194		165		
	5.353		169			5.029		165		
	5.184		336			4.864		330		
7	16.057	5.352		2.598		15.087	5.029		2.578	
		32.735					34.665			B.M. 30-19 (F.C. B.M. 73-70) RESET SAN GABRIEL RIVER AT TOWER 29 SEE F.B. 1396-22 & 23
	5.750		189			4.993		191		
	5.561		186			4.802		188		
	5.375		375			4.614		379		
8	16.686	5.562		2.973		14.409	4.803		2.957	
		38.297					38.468			

F.B. 1396 PG. 154

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G.E. DREIER Time 1:00 TO 2:30 Rod No. 5X6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 30-13 To B.M. 8-30
Date 5-12-53
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
	5680	38.297	1912.973			4961	39.468	189	2957	
	5489		191			4772		187		
	5298		382			4585		376		
9	16.467	5.489		3355		14.318	4.773		3.333	
	5.653		204			5341		203		
	5.449		205			5138		200		
	5.244		409			4938		403		
10	16.346	5.449		3.764		15.417	5.139		3.736	
		49.235					49.380			B.M. 30-20 (F.C. B.M. 73-8C REST) SAN GABRIEL RIVER AT TOWER #30 SEE F.B. 1396-22 & 23
	5.692		185			6.059		191		
	5.507		187			5.868		189		
	5.320		372			5.679		380		
11	16.519	5.506		4.136		17.606	5.869		4.116	
	5.415		213			5.358		215		
	5.202		213			5.143		212		
	4.990		425			4.931		427		
12	15.607	5.202		4.561		15.432	5.144		4.543	
		59.943					60.393			

F.B. 1396 PG. 155

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR-WINDY Inst. No. 50016
Notes by G. E. DREIER Time 1:00 TO 2:50 Rod No. 5+6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4938
From B.M. 30-[illegible] To B.M. 8-30
Date 5-12-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.562 5.310 5.059	57.943	252 251 503	4.561		6.252 5.999 5.747	6[illegible]993	253 252 505	4.543	
13	15.931	5.310		5.064		17.998	[illegible]		5.048	
		65.253					6[illegible]92			T.B.M. F.C. MON. AT TOWER # 31 & SAN GABRIEL RIVER SEE F.B. 1396-24 & 25
	6.271 6.061 5.855		210 206 416			5.205 4.990 4.773		218 217 435		
14	18.187	6.062		5.480		14.971	[illegible]		5.453	
	5.323 5.110 4.897		213 213 426			5.021 4.808 4.595		213 213 426		
15	15.330	5.110		5.906		14.424	[illegible]		5.909	
	5.382 5.163 4.947		219 216 435			5.064 4.848 4.630		216 218 434		
16	15.492	5.164		6.341		14.542	[illegible]		6.343	
		81.589					8[illegible]237			

F.B. 1396 PG. 156

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 G.E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G.E. DREIER Time 1:00 TO 2:50 Rod No. 546

Name L.A. CO. PRECISE LEVEL NET
Job No. 4928
From B.M. 30-18 To B.M. 8-30
Date 5-12-53
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		81.589		6.341			81.037		6.343	B.M. 30-21 (F.C. B.M. 73-90) SAN GABRIEL RIVER & TOWER #32 SEE F.B. 1396-24 & 25
	5.686		210			4.765		216		
	5.476		209			4.552		213		
	5.267		419			4.339		429		
17	16.429	5.476		6.760		13.659	4.553		6.772	
	5.869		216			5.426		214		
	5.653		215			5.212		212		
	5.438		431			5.000		426		SUMMATION OF NON
15	16.960	5.653		7.191		15.638	[illegible]		7.198	B.M. 30-18 TO B.M. 8-30
	5.801		138			5.291		134		TOTAL BACKSIGHTS = + 104.044
	5.662		134			5.157		135		TOTAL FORESIGHTS = − 100.455
	5.528		272			5.022		269		DIFF. IN ELEVATION = 3.589
19	16.990	5.663		7.463		15.470	5.157		7.467	
	5.801		139			4.632		137		B.M. 8-30 (F.C. B.M. 73-33)
	5.662		137			4.495		137		SAN GABRIEL RIVER & SPRING ST.
	5.525		276			4.358		274		SEE F.B. 1209-22
20	16.988	5.663		7.739	80°	13.485	4.495		7.741	FOR DESCRIPTION
		104.044					100.455			

F.B. 1396 PG. 157

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 L. A. CO. PRECISE LEVEL NET
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. 1396 PG. 158

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPELING Time 9:00 to 9:30 Rod No. 586

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 8-30 To T.B.M. TOWER #91
Date 5-13-52
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.554		139		#5	5.723		140		B.M. 8-30 (F.C.B.M. 78-337)
	4.415		138			5.583		136		SAN GABRIEL RIVER & SPRING ST.
	4.277		277			5.447		276		SEE F.B. 1907-27
1.	13.246	4.415		.277	64°	16.753	5.584		.276	FOR DESCRIPTION
	5.340		137			5.848		136		
	5.203		133			5.712		137		T. E. LANDA
	5.070		270			5.575		273		
2	15.613	5.204		.547		17.135	5.712		.549	
	4.908		215			5.352		216		
	4.693		212			5.137		217		
	4.480		428			4.920		433		
3	14.081	4.694		.975		15.410	5.137		.982	
	4.153		215			5.071		210		
	3.938		213			4.861		208		
	3.725		428			4.653		418		
4.	11.816	3.939		1.403		14.585	4.862		1.400	
										B.M. 30-21 (F.C.B.M. 78-90)
										SAN GABRIEL RIVER & TOWER #32
										SEE F.B. 1396-24 & 25
		18.252					21.295			

F.B. 1596 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by R. HEMPFLING Time 9:00 to 9:30 Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 8-30 To T.B.M. TOWER #31
Date 5-13-53
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.249	18.252	220	1.403		5.569	[illegible]	219	1.400	
	5.029		217			5.350		218		
	4.812		437			5.132		437		
5.	15.090	5.030		1.840		16.051	5.350		1.837	
	5.063		214			5.334		215		
	4.854		214			5.119		211		
	4.640		428			4.948		426		
6.	14.562	4.854		2.268		15.481	5.160		2.263	
	5.455		215			6.526		214		T.B.M. F.C. MON. AT TOWER #31
	5.240		213			6.312		211		SAN GABRIEL RIVER.
	5.022		428			6.101		425		SEE F.B. 1396 - 24 & 25
7.	15.722	5.241		2.696	69°	18.939	[illegible]		2.688	
										SUMMATION OF RDN
										B.M. 8-30 TO T.B.M. TOWER #31
										TOTAL BACKSIGHTS = + 33.377
										TOTAL FORESIGHTS = − 38.118
										DIFF. IN ELEVATION = − 4.741
		33.377					38.118			

F.B. 1396 PG. 16 D

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party: G.E. Dreier Weather: Clear Inst. No. 50010
Notes by: E. Landa Time: 1:40 to 2:30 Rod No. 556

Name: L. A. CO. PRECISE LEVEL NET
Job No. 4923
From: B.M. 8-30 To: B.M. 8-32
Date: 5-6-53
Indexed: A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4505		86		Tape	0410		099		B.M. 8-30 (F.C.B.M. 73-337)
	4419		86			0311		099		San Gabriel River & Spring St.
	4333		172			0212		198		See F.B. 209-27
1	13257	4.419		172	82°	0933	0.311		199	for description
	10997		133			10138		155		
	10864		133			9983		153		T G.E. Dreier
	10731		266			9830		308		
2	32592	10.864		638		29951	9.984		506	
		15.283					10.295			B.M. 8-31 (U.S. 2189 J-51
										Reset 1952)
										SEE F.B. 1396-24 & 25
	10780		226			8608		225		
	10554		225			8383		223		
	10329		451			8160		448		
3	31663	10.554		889		25151	8.384		954	
	1790		212			8835		213		
	1578		215			8622		211		
	1363		427			8411		424		
4	4731	1.577		1316		25868	8.623		1378	
		27.414					27.302			

F.B. 1396 PG. 16

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 G.E. Dreier Weather Windy Inst. No. 50010
Notes by E. Landa Time 1:40 To 2:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-30 To B.M. 8-32
Date 5-6-53
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
	4193	27.412	228	1316		5478	27.302	200	1378	
	3970		226			5278		200		
	3744		454			5078		400		
5	11912	5.971		1770		15834	5.278		1778	
	4868		212			5481		214		
	4656		212			5267		212		Summation of Run
	4444		424			5055		426		B.M. 8-30 to B.M. 8-32
6	13968	4.656		2194		15803	5.268		2204	
	4447		209			4972		213		Total Backsights = + 45.027
	4238		210			4759		213		Total Foresights = - 46.788
	4028		419			4546		426		Diff. in Elev. = - 1.761
7	12713	4.238		2613		14277	4.759		2630	
	4965		217			4395		215		B.M. 8-32 (U.S. 3908 A-7R)
	4748		218			4180		213		Shadebaker Rd. & Spring
	4530		435			3967		428		See F.B. 1209-28
8	14243	4.743		3088	80°	12542	4.181		3058	for description
		45.027					46.788			

F.B. 1396 PG. 162

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. Dreier Weather Windy Inst. No. 50010
Notes by E. Lando Time 2:30 to 8:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-32 To B.M. 8-30
Date 5-6-53
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
	4375		213		#5	4947		218		B.M. 8-32 (U.S. 3908 A-779)
	4162		212			4729		218		Studebaker Rd. & Spring St.
	3950		425			4511		436		See F.B. 1209-28
1	12487	4.162		425	80°	14187	4.729		436	for description
	5098		213			4570		209		
	4885		214			4361		209		G.E. Dreier
	4671		427			4152		418		
2	14654	4.885		852		13083	4.361		854	
	5648		213			5034		212		
	5435		213			4822		212		
	5222		426			4610		424		
3	16305	5.435		1278		14466	4.822		1278	
	5567		215			4260		213		
	5352		212			4047		213		
	5140		427			3834		426		
4	16059	5.353		1705		12141	4.047		1704	
	8876		212			1823		212		
	8664		212			1611		212		
	8452		424			1399		424		
5	25992	8.664		2129		4833	1.611		2128	
		28.499					19.570			

F.B. 1322 PG. 163

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. Dreier Weather Windy Inst. No. 50010
Notes by E. Landa Time 2:30-to 3:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 8-32 To B.M. 8-30
Date 5-6-53
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
	9436	28.199	224	2129		11618	19.570	228	2128	
	9212		221			11390		228		
	8991		445			11162		456		
6	27639	9.213		2574		34170	11.390		2584	
		37.712					30.960			B.M. 8-31 (U.S. 2189 J-51) Reset 1952 SEE F.B. 1396-24 & 25
	10771		161			11646		159		Summation of Run
	10610		162			11487		156		B.M. 8-32 to B.M. 8-30
	10448		323			11331		315		
7	31829	10.610		2897		34464	11.488		2899	
	0479		96			4578		89		B.M. 8-30 (F.C.B.M. 73-33T) San Gabriel River & Spring St
	0383		95			4489		88		See F.B. 1209-27
	0288		191			4401		177		for description
8	1150	0.383		3088	78°	13468	4.489		3076	
										Total Back sights = + 48.705
										Total Foresights = - 46.937
										Diff. in Elev. + 1.768
		48.705					46.937			

F.B. 1396 PG. 164

F. B. 1396 PG. 165

NOTES RED. ____ JOB NO. 0303.00 SURVEY OF Preservation of Mon
DATE ____ SURVEY BY M.A. Van Deren
NOTES CHKD. ____ NOTES BY Van DATE 5-11-55
DATE ____ INDEXED A. C. Johnson DATE 5-16-55

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
315 CIVIC CENTER BLDG.

76S 420 353 2M 3-48

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
J.N. 0303.00						
PRECISE BENCH MARK LEVELS						
PRESERVATION OF MON						
Transfer of Datum from BM 30-26						
To U.S.C.&G.S. BM Y-766 & BM 30-26 A						
		5-11-55				
		Van Deren				
		Richards				
		Myers				
		Sherwood				
		Turrill				

FORM 353 2M 3-48

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
315 CIVIC CENTER BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						30-26 (U.S. 3900) Long Beach J-3 (L.A. Co) at Long Beach in L.A. Co at the inter of Pacific Coast Hwy & Bellflower Blvd, a L.A. Co Survey Control Syst Std disk set in Conc in H.H. 12" dp Elev = 74.356 1954 adj. FB 1396-27
30-26	74.356					
+ 30'	5.434		5.491			
π	79.790	+ 2.349	2.349			
(Fd) 30'	3.085		3.142			
BM-Y-766	76.705					BM Y-766 Pacific Coast Hwy & Bellflower Blvd N.E. Cor. 44.7 East ℄ Bellflower Blvd & 66' N. ℄ Pacific Coast Hwy. a brass Tablet set in Conc. up 5" & Marked U.S.C. & G.S. BM-Y-766 Reset in 1955
+ 60'	3.634		3.581			
π	80.339	- 2.006	2.007			
− 60'	5.640		5.588			
T.P.	74.699					
+ 25'	5.489		5.557			
π	80.188	+0.377	0.377			
(Set) 25'	5.112		5.180			
30-26 'A'	75.076					BM 30-26 'A' Pacific Coast Hwy & Bellflower Blvd S.W. Cor Boat Spk in Conc Gut 49± W. ℄ Bellflower Blvd at 90± & 37'± South of ℄ Pacific Coast Hwy. 1' North of South Curb. Curb Marked B.M. 30-26 'A'
+ 60'	5.330		5.267			
π	80.406	+ 1.639	1.639			
− 60'	3.691		3.628			
T.P.	76.715					
+ 50'	3.744		3.648			
π	80.459	− 2.359	2.359			
(Fd) 50'	6.103		6.007			
30-26	74.356					BM 30-26 Long Beach J-3 Elev = 74.356 FB 1396-27 Pacific Coast Hwy & Bellflower Blvd. (see above)

JOB NO. 0303.00 SURVEY OF Preservation of Plan NOTES RED. DATE
SURVEY BY M. A. Van Deren NOTES CHKD. [illegible] DATE 7/8/62
NOTES BY Van DATE 5-11-55
INDEXED C. Johnson DATE

F. B. 1396 PG. 166

Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date Oct 1961
Date	Indexed M. E. OTT NOV 9 '61

F. B. 1396 PG. 167

J. N. 0301.02

L. A. Co. Precise Level Net

RERUN of LINE No. 30

Route 1st part

S. on Lakewood Blvd from Spring St. To Willow St. E. on Willow St. to Clark St. — S. on Clark St. To Atherton St. - E. on Atherton St. To Bellflower Blvd. — S. on Bellflower Blvd to Anaheim Rd. — E. on Anaheim Rd to Palo Verde Ave. — S. on Palo Verde Ave To End of St. — N. on Palo Verde to Anaheim Rd then E. on Anaheim Rd To Studebaker Rd. — S. on Studebaker Rd To 9th St. — E. on 9th St. to San Gabriel River. — N along W. bank of San Gabriel River To Spring St. —

2nd part

S. on Clark Ave. from Atherton St. to Pacific Coast Hwy. — S.E. on Pacific Coast Hwy. to 2nd St. — S. on 2nd St. to Marina St. - S.E. on Marina St. to Long Beach Marina — S. through parking lot to center of Marina. — N along W. bank of San Gabriel River To 9th St

J. M. Maldonado
RR Rodriguez
GE Cook

F E Brooks
AR Barilotti
E. Martinez
N Smith
AR Workman

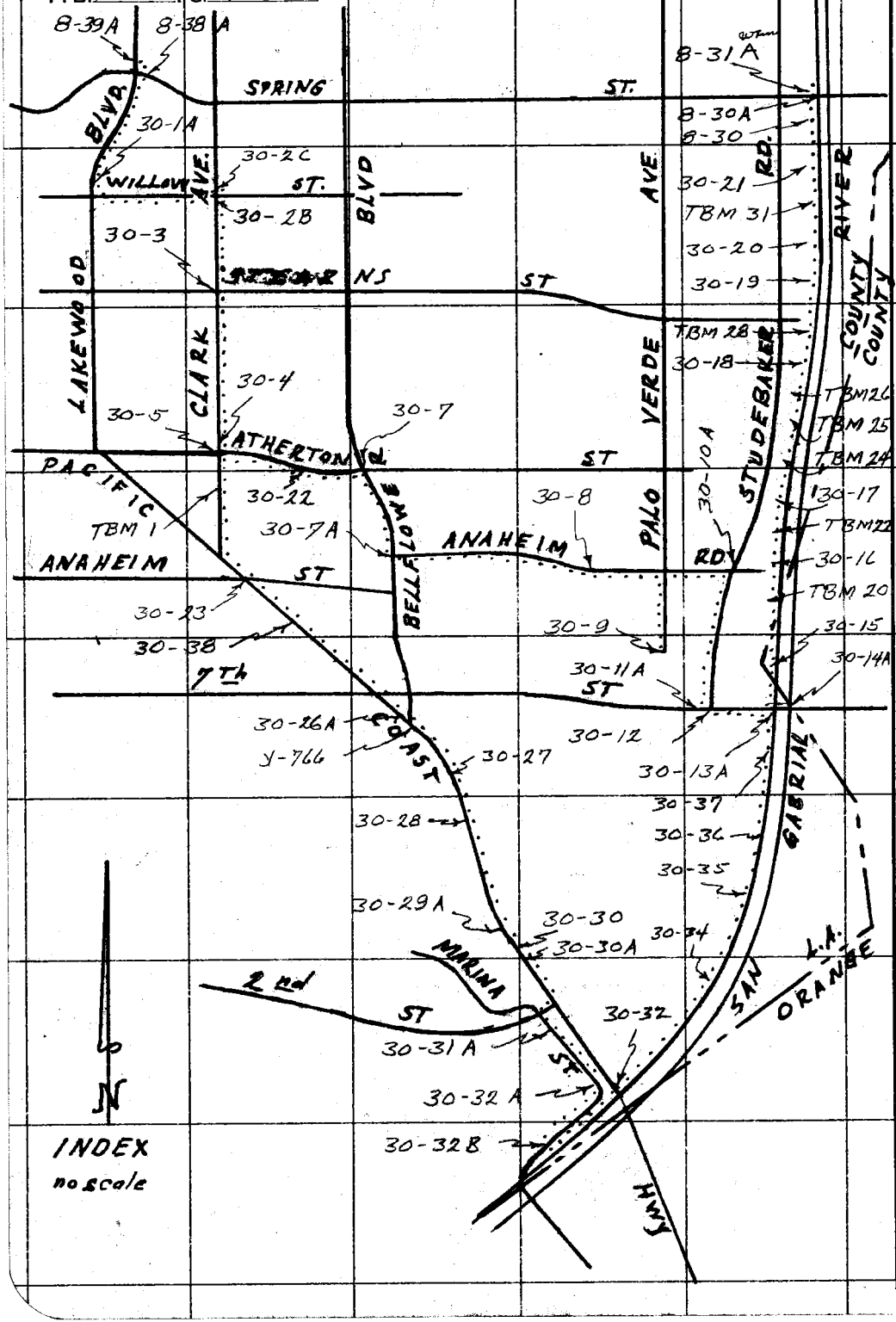
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247—7-53

F. B. 1396 PG. 168



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

Do not extend notes this side of this line.

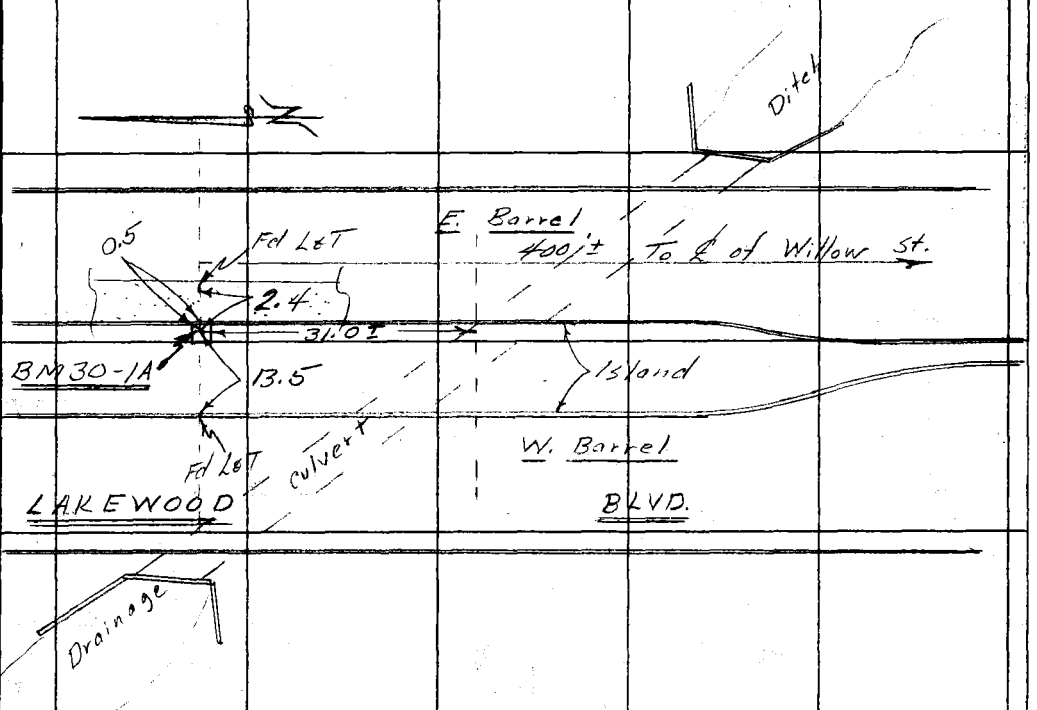
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN D301.02 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date Oct 61
Date	Indexed H. E. OTT NOV 9 '61

F. B. 1396 Pg. 169

BM 30-1A (CLEARWATER G-12)

This station is on Lakewood Blvd. 400 ft. ± N. of Willow St. and 0.5 ft W. of The E. curb of the center island. It is 2.4 ft W of a L&T in conc gutter and 13.5 ft E. of L&T in W. curb of the island. The station is a 3" brass disc set in conc 1" below the top of the curb. The disc is stamped L.A. CO. CL. G-12 TRAV. STA. CLB 1958



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 ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

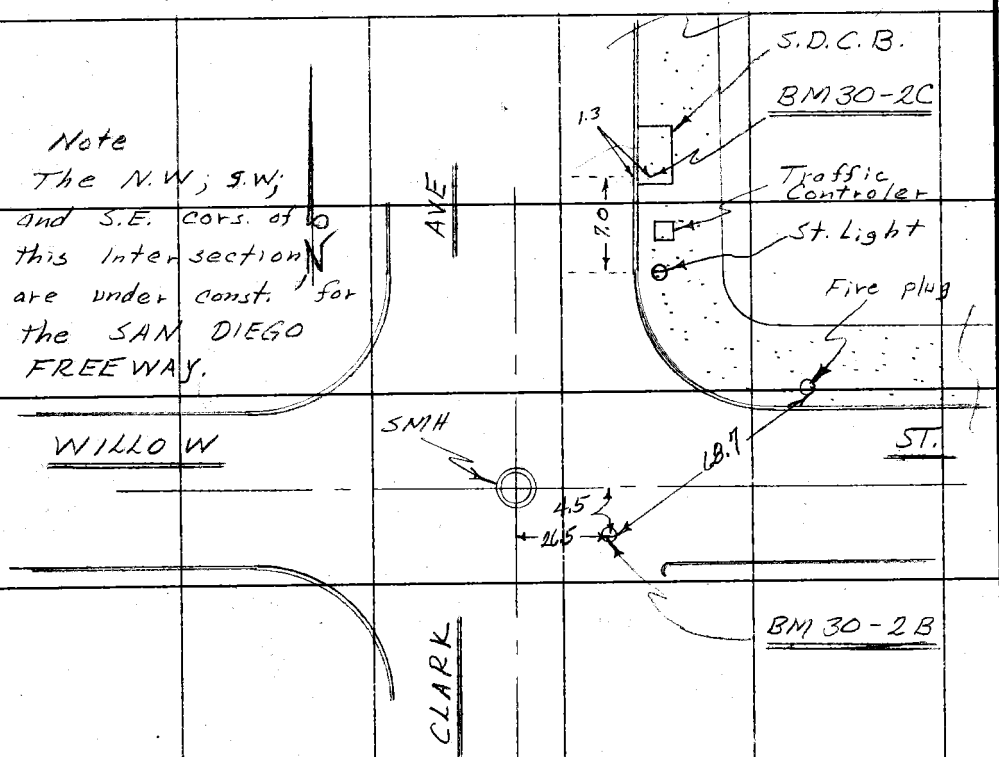
F. B. 1326 Pg. 170

BM 30-2B (CLEARWATER 1-12A)

This station is at the intersection of Willow St. and Clark Ave. in the S.E. Cor. It is 26.5 ft E of the ℄ of Clark Ave and 4.5 ft. S of the ℄ of Willow St. The station is a L.A. Co Survey Control System Traverse Station set in Conc. in a well 10" below the st. surface and protected by a C.I. Cover marked COUNTY ENGINEER MONUMENT The station is stamped CLEARWATER 1-12A RESET 1956 RE 5869

BM 30-2C

This station is at the intersection of Willow St. and Clark Ave, N.E. Cor. It is 7.0 ft N. of Nerd C.R. and 1.3 ft E of E. curb. of Clark Ave. The Station is a L.A. Co. Eng. brass cap cemented into the Top of a S.D.C.B. The cap is stamped BM 30-2C RE 5869 - 1961



RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

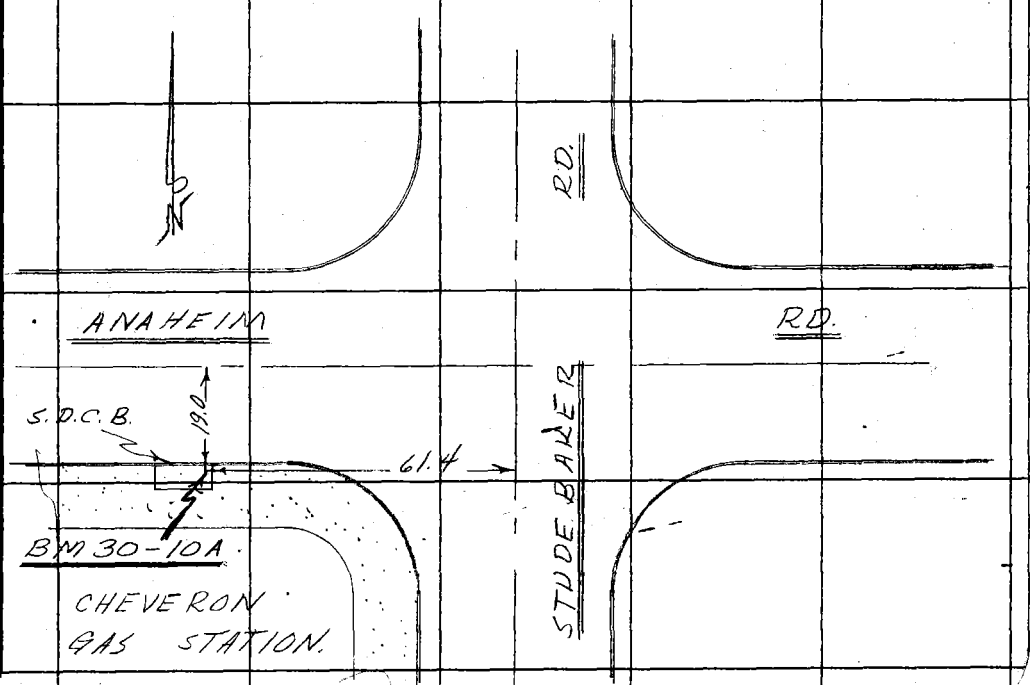
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 1396 Pg. 171
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes E. E. Brooks Date Oct 61	
Date	Indexed N. E. Ott	

BM 30-10 A

This Station is at the intersection Anaheim Rd. and Studebaker Rd. S.W. Cor. The station is a L.A. Co. Engr brass cap cemented into a S.D.C.B. 19.0 ft. S of the ℄ of Anaheim Rd. and 61.4 ft. W. of the ℄ of Studebaker Rd. The cap is stamped BM 30-10A RE 5869 1961

REPORTED DESTROYED IN F.B. 3705-115



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RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247 3-57

F. B. 1396 Pg. 172

BM 30-11A

This station is on 7th St. at Los Cerritos Channel, on the N.E. Cor. of Bridge No 53-2151. The station is a L.A. Co. Engr. Button Brass Cap cemented into the conc sill 0.5 ft. S of railing and 1.7 ft W of E. end of bridge. The Brass cap is stamped BM 30-11A RE 5869 - 1961

BM 30-12 (F.C.B.M. 120-4B)

This Station is on 7th St. at Los Cerritos Channel E. side. The station is 40' ± N. of the ℄ of the S. barrel of 7th St. 22.5 ft. N.E. of N.E. Cor. of Bridge No 53-2151 — 16.2 ft. S.E. of the S.E. Cor. of Bridge No. 53-2151 — 14.5 ft. E. of the Top of bank. and 47.0 ft W of Studebaker Rd. Overcrossing 53-1427. The Station is a L.A. Co. F.C. Std. Brass disc set in conc in a well 6 ft. down. The disc is stamped F.C. B.M. 120-4B.

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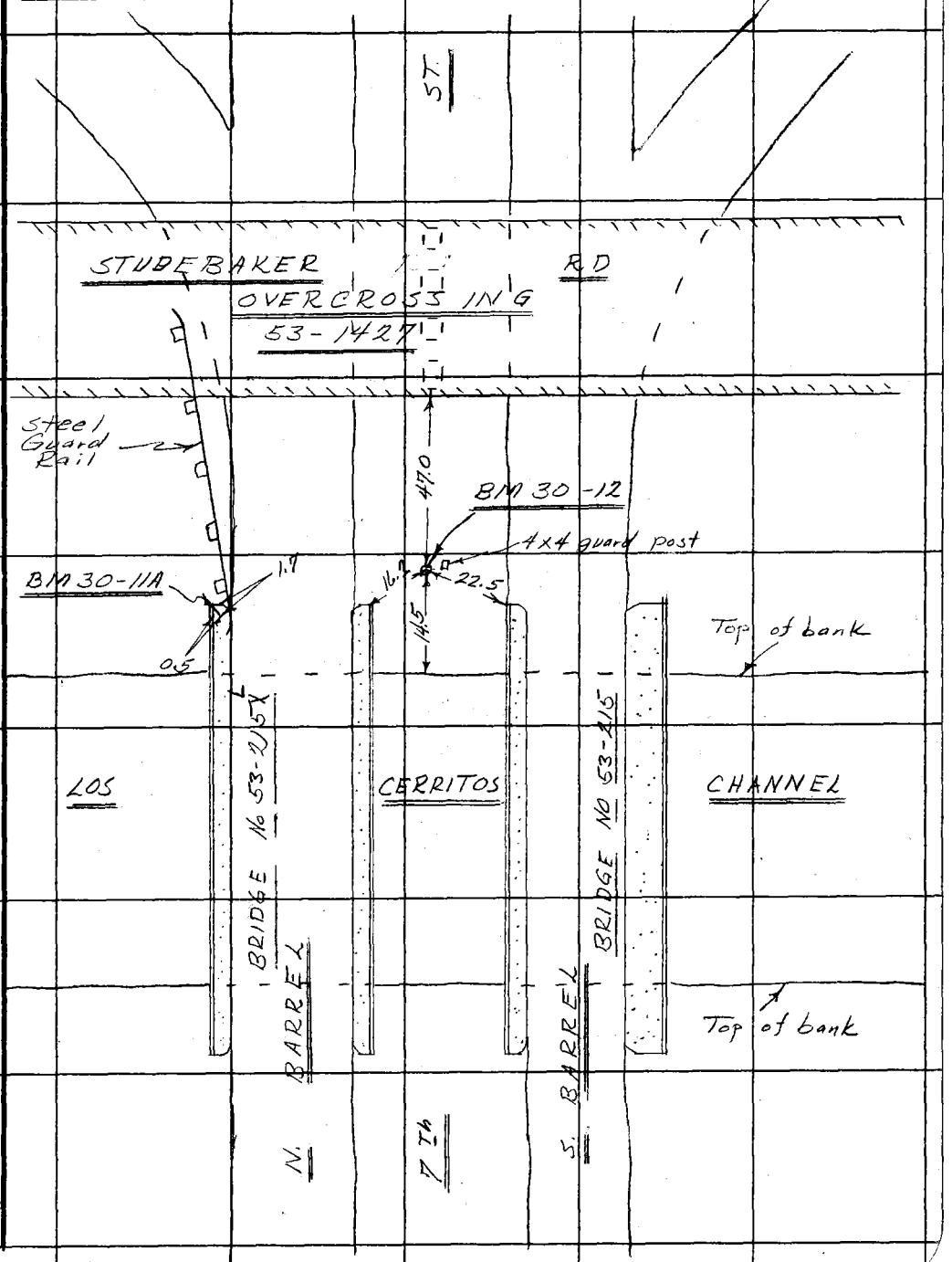
Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 0301-02 Tape Std °F
Office Work	Surveyed by E. E. Brooks
Checked	Notes E. E. Brooks Date Oct 61
Date	Indexed H. E. Ott

F. B. 1396 PG. 173



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RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

F. B. 1396 Pg. 114

BM 30-13A (F.C.BM 73-34)

This station is on 7th St. at the San Gabriel River W. side. The station is a L.A.Co. F.C. Brass Disc cemented into the cone sill of Bridge No. 53-302R at the N.W. Cor. The disc is 0.7 ft. S. of the bridge rail and 2.2 ft E of the W end of the bridge. There is no stamping on the brass disc. (Stamped BM 73-34)

W. Voge 6-30-65

BM 30-14A (Corps of Engrs. S.G. 3)

This station is on 7th St. at the San Gabriel River E. side. The station is a Corps of Engineers U.S. Army Brass Disc cemented into the cone sill of Bridge No 53-302R at the S.E. Cor. The disc is 0.7 ft. N. of the bridge rail and is 2.7 ft W. of the E. end of the bridge. The disc is stamped S.G. 3 1958.

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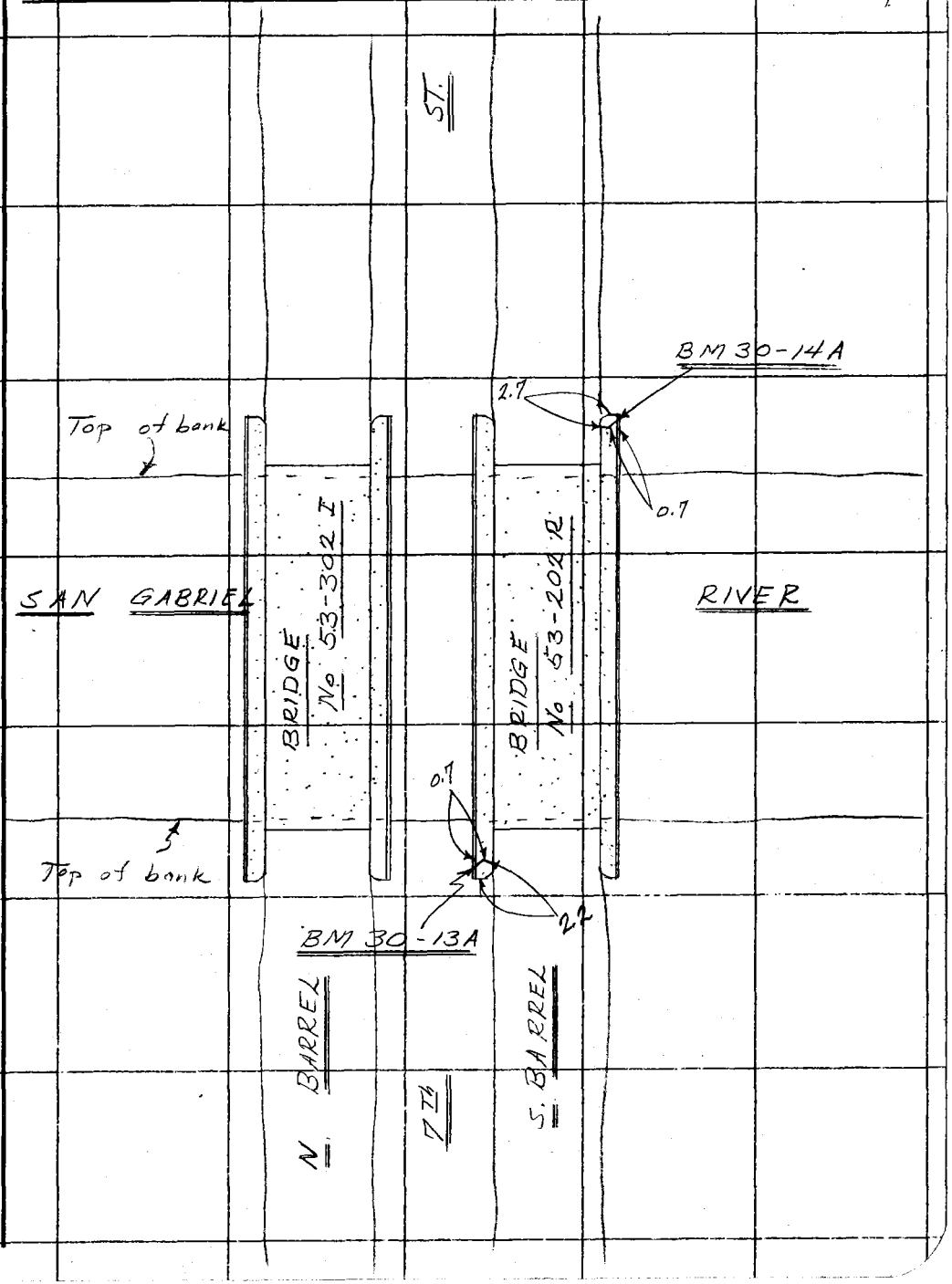
Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 1396 Pg. 175
Map No.	JN 0301.02 Tape Std. °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Oct 61	
Date	Indexed H. E. OTT	



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763098 CE #247—7-53

F. B. 1396 Pg. 176

BM 30-29 A

NOT RECOVERED 1-23-75 G.E.D
BRIDGE DATED "1967"

This Station is on Pacific Coast Hwy and Los Cerritos Channel W. side. The station is a L.A. Co. Engr. Button Brass Cap cemented into the walk at the N. W. Cor of Bridge No 53-64. The cap is 0.9 ft E. of The bridge rail and 8.4 ft. S. of The N. end of the bridge. The cap is stamped BM 30-29 A. RE 5869 1961

BM 30-30 (Long Beach K 5)

This Station is on Pacific Coast Hwy and Los Cerritos Channel E. side. The station is a L. A. Co. Survey Control System Traverse Station set in a hand hole 19" dia. on a fill bank for the Highway. The station is 6.0 ft SW'ly of ℄ of Pacific Coast Hwy and is 155.3 ft. S. of The S.W. cor. of Bridge No. 53-64. It is 21.5 ft E. of Tele P. B 101685 and is 25.2 ft N.E. of BM 30-30A. The station is stamped LONG BEACH K5

BM 30-30 A

This Station is on Pacific Coast Hwy at Los Cerritos Channel E. Side. The station is a State of Calif Div. of Hwys. 2½ Brass Disc set in a 2 ft sq conc post. flush with the ground. The Station is 86 ft ± SW'ly of ℄ of Pacific Coast Hwy; 25.2 S.W. of BM 30-30; 17.0 ft S. of Tele P. B 101685 and 4.0 ft N.E. of a 5 ft chain link fence. There is no stamping on the disc.

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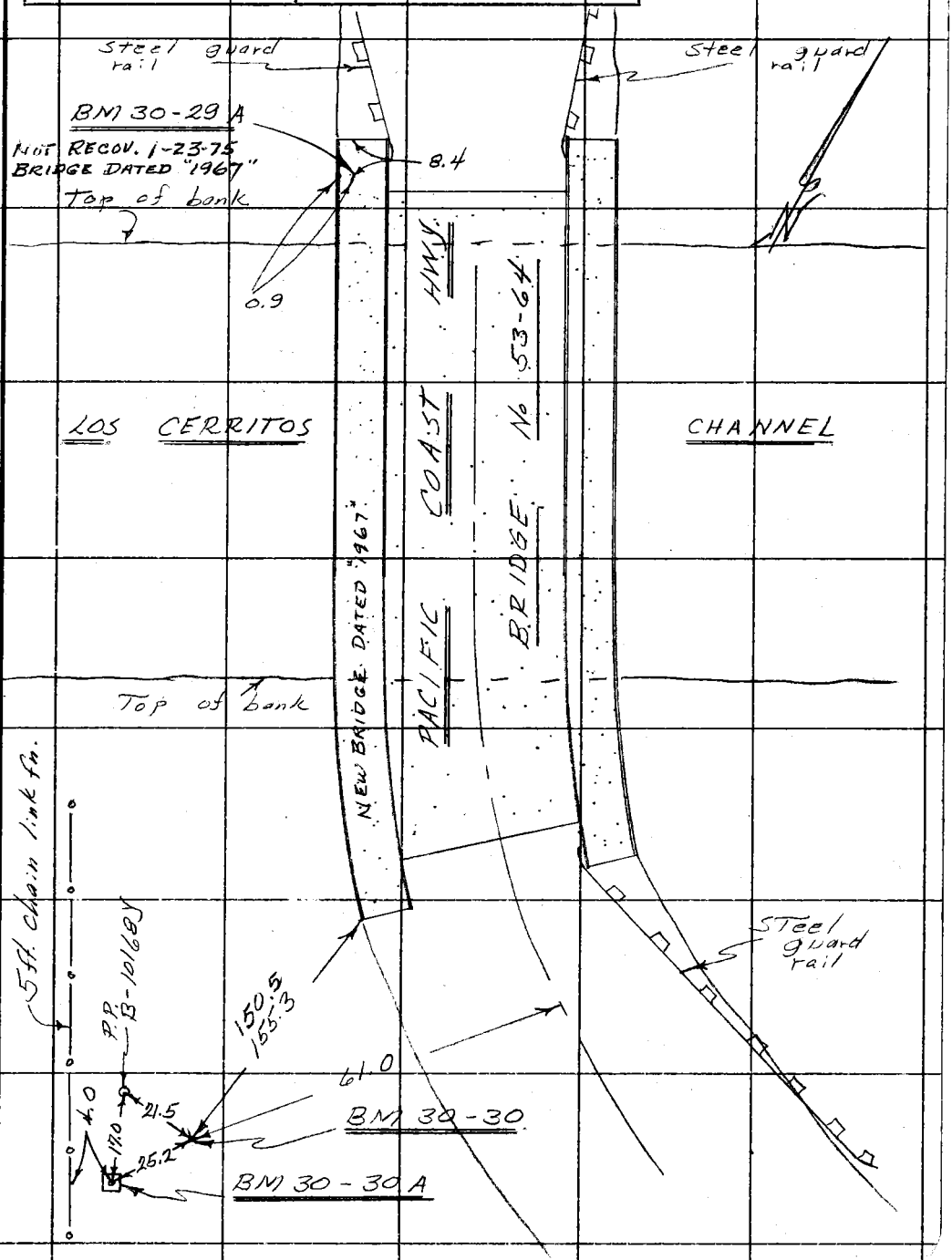
Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date Oct 61
Date	Indexed H. E. OTT

F. B. 1396 PG. 177



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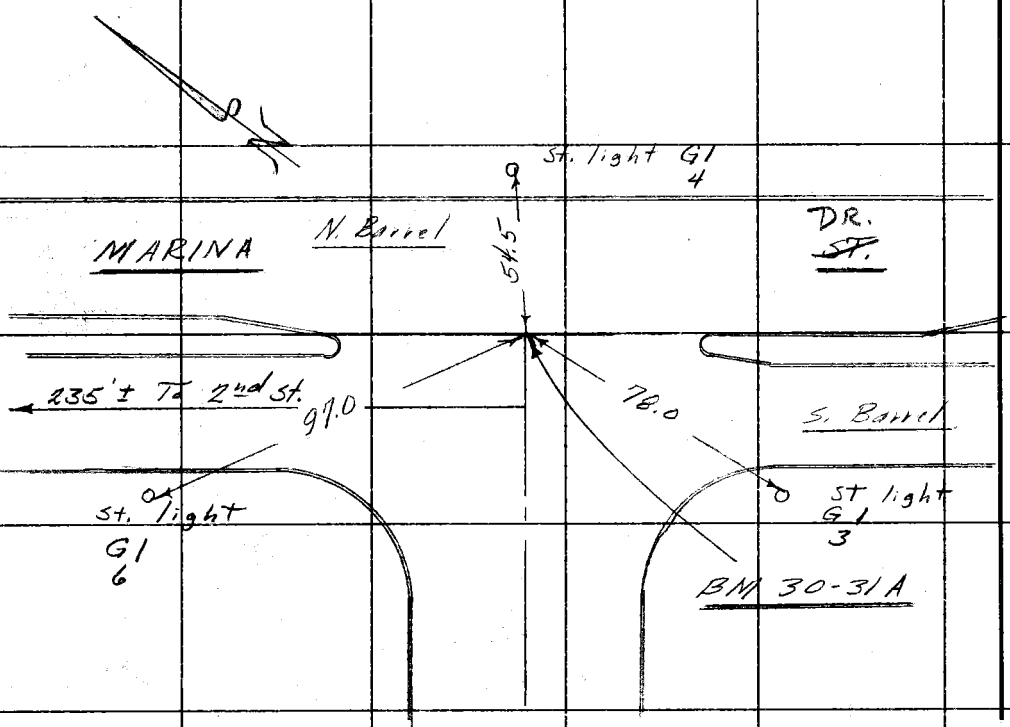
763095 CE #247—7-53

F. B. 1396 PG. 178

BM 30-31A

This station is on Marina ~~St.~~ Dr. at the Long Beach Marina 235 ft ± E. of the ℄ of 2nd St. The station is on the ℄ of Marina ~~St.~~ Dr. and is 97.0 ft S.E. of St. light $G\frac{1}{6}$, 54.5 ft S.W. of St. light $G\frac{1}{4}$ and 78 ft. N. of St. light $G\frac{1}{3}$. The station is a City of Long Beach 2" Brass disc set in conc in a 4" I.P. 10" dn in a well. The station is stamped RE 3111 CLB 1960 and is protected by a Cast iron cover marked City Engr. Mon.



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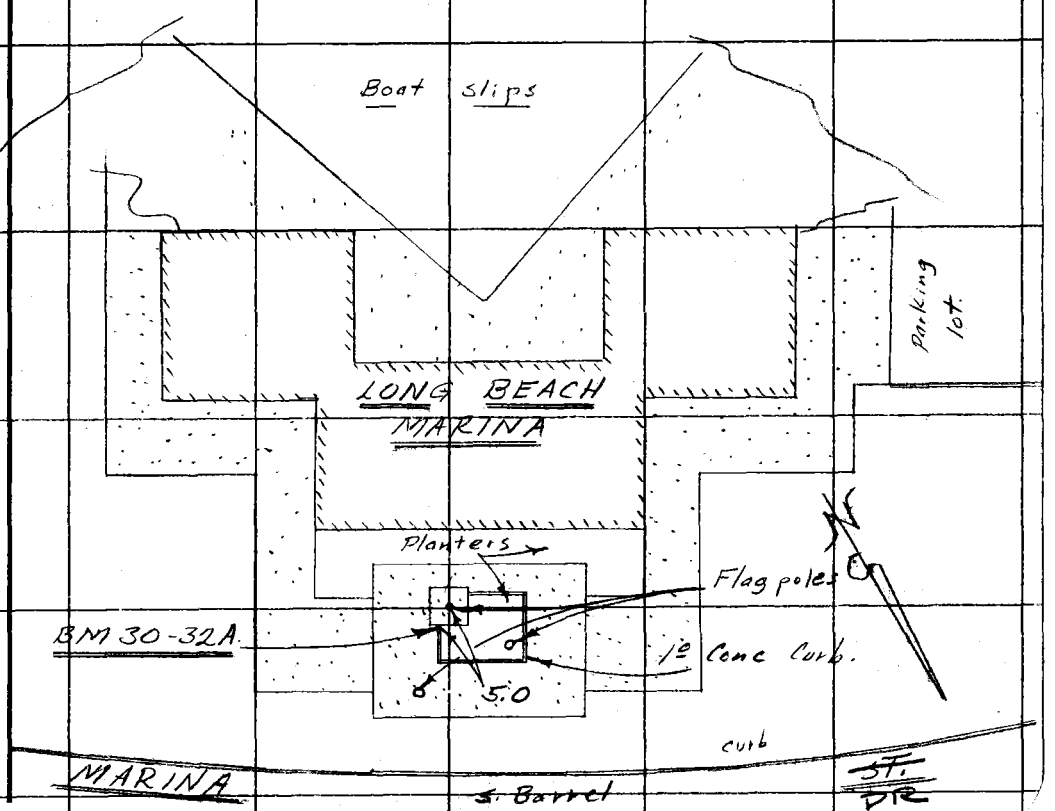
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 1396 PG. 179
Map No.	JN 0311.02 Tape Std. °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Oct 61	
Date	Indexed H. E. OTT	

BM 30-32A

This station is in front of the Long Beach Marina. The station is a L.A. Co. Engr. Button Brass Cap set in the top of a 1 ft wide conc. curb for planting area in front of the building. the is 5 ft N.E. of the main flag pole and is stamped BM 30-32A RE 5869 1961.



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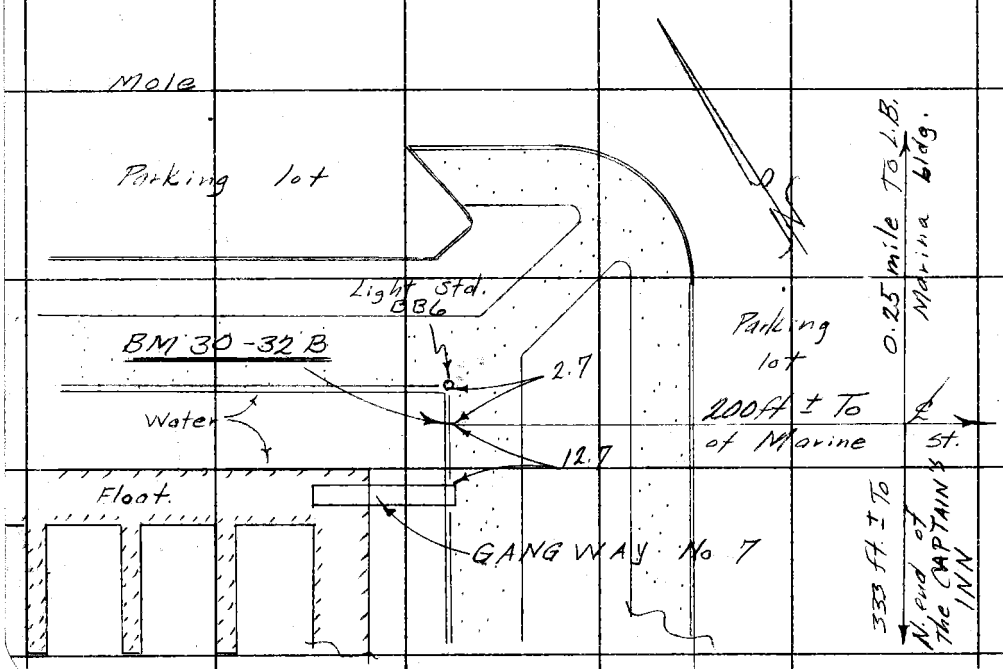
900 LOS ANGELES COUNTY ENGINEERING BLDG.

769098 CE #247—7-53

F. B. 134 PG. 180

BM 30-32 B

This Station is on the S. side and at the land end of the Mole in the center of the Long Beach Marina. The Station is 0.25 mi S. of The Marina Bldg., 333 ft ± N. of the N. end of the CAPTAIN'S INN, and 200 ft ± W of ℄ of Marina St., 2.7 ft S of Light Std. BB6 and 12.7 ft. N. of Gang Way No 7. The Station is a Corps of Engineers U.S. Army Brass Disc cemented into the conc. walk. The station is stamped SG1 1958



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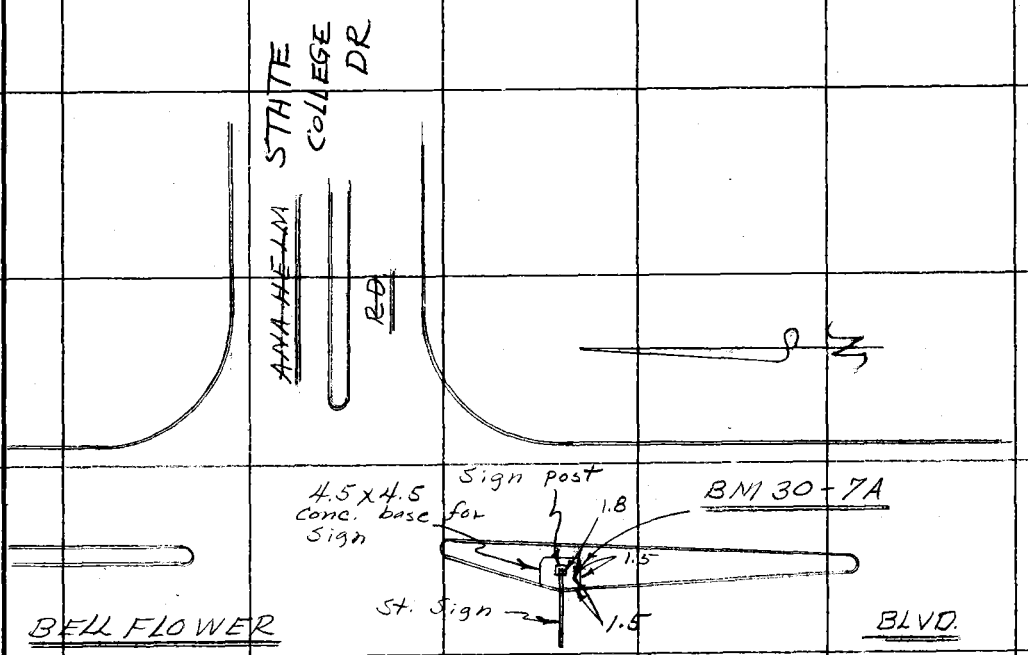
Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 1396 PG. 181
Map No.	JN 0301.02 Tape Std. °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Oct 61	
Date	Indexed H. E. OTT	

BM 30-7A

This station is at the intersection of Bellflower Blvd and ~~Anaheim Rd.~~ STATE COLLEGE DR on the S 1/4 traffic island. The station is a L.A. Co. Engr. Button Brass Cap cemented into the 4.5ft x 4.5ft. conc foundation for a large st. sign. the station is 1.8ft S.W. from the sign post; 1.5ft N. of the S. edge of the conc. slab. and 1.5ft E. of the W. conc curb of the traffic island. The station is stamped BM 30-7A RE5869 1961
6-29-65 G. Voge



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RETURN TO
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100 LOS ANGELES COUNTY ENGINEERING BLDG.

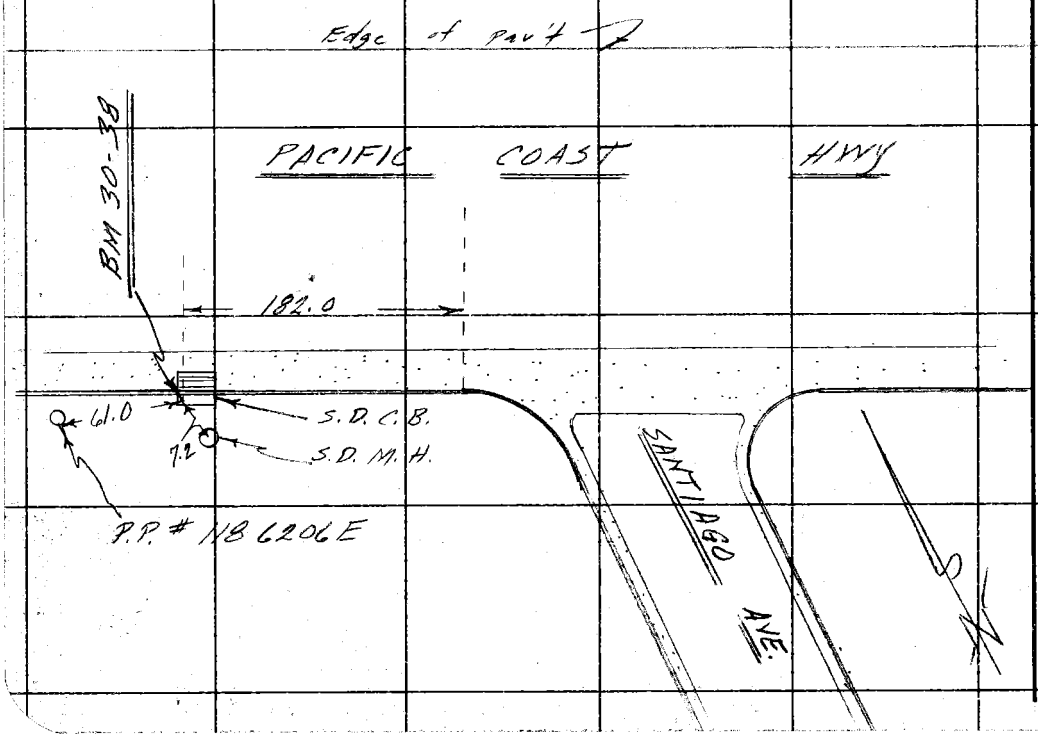
763095 CE #247—7-53

F. B. 1396 PG. 102

BM 30-38 A F.E.B.

This Station is near the Intersection of Pacific Coast Hwy. and Santiago Ave. The station in a L.A. Co. Engr. Button Brass Cap Cemented into a Strom Drain Catch Basin 182 ft N.W. of the N.W. curb return and 0.8 ft back of edge of curb. The station is stamped BM 30-38 RE 5869 1961

Note The button has been sheared off of this brass Cap. IT is good otherwise. The letter A was added. To the stamping F.E.B. 30 July 70



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76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy - Smog Inst. No. 15066
Notes by Time 8:55 - Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 8-39A To BM 8-38A
Date 13 Oct 1961
Indexed NOV 9 '61 H. E. OTT

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
	6753		122		#19	5.715		113		BM 8-39 A
	6631		123			5.602		111		Spring St. and Lakewood
	6508		245			5491		224		Blvd.
	19 892	6.631		245	82°	16.808	5603		224	See F.B. 2828-13
										BM 8-38 A
										Spring St. and Lakewood
										Blvd.
										See F.B. 2828-13
										π = Barilotti
										Summation of Run
										From B.M. 8-39 A
										To B.M. 8-38A
										Total Backsights = + 6.631
										Total Foresights = − 5.603
										Diff. Elev. = + 1.028
										Backsight stadia = 245
										Foresight Stadia = 224
										Total Stadia = .469
										= .03 mi

F.B. 1396 P.G. 186

F.B. 1396 Pg 187

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy - Smog Inst. No. [illegible]
Notes by Time 10:50 Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. [illegible]
From [illegible] To B.M. 8-39A
Date 13 Oct 1961
Indexed H. E. OTT

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
	5687		114		#19	6.722		123		BM 8-38A
	5.573		113			6.599		121		Spring St and Lakewood
	5.460		227			6.478		244		Blvd.
	16.720	5573		227	92'	19.799	6600		244	See F.B. 2826-13
										[illegible]
										Summation of Run From B.M. 8-38A To B.M. 8-39A π = Barilotti
F.B. 1396 Pg 188										Total Backsights = + 5.573 Total Foresights = − 6.600 Diff. Elev. = − 1.027
										Backsight stadia = 227 Foresight Stadia = 244 Total [illegible] = 471 = .03 mi.

F.B. 1396 P.G. 188

✓ [illegible]

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Haze / Smog Inst. No. 15066
Notes by F. E. Brooks Time 9:00 - 9:45 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0761.02
From BM B-38A To BM 30-1A
Date 13 Oct 1961
Indexed H. E. Ott

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	6.612 6.427 6.242	6.427	.185 .185 .370	.370	#19 84°	4.324 4.138 3.952	4.138	.186 .186 .372	.372	BM B-38A Spring St and Lakewood Blvd. See F.B. 2808-13
2	2.022 1.836 1.651	1.836	.186 .185 .371	.741		8.815 8.635 8.456	8.635	.180 .179 .359	.731	⊼ Bailotti
3	1.274 1.126 0.978	1.126	.148 .148 .296	1.037		8.838 8.691 8.544	8.691	.147 .147 .294	1.025	
4	1.738 1.591 1.443	1.591	.147 .148 .295	1.332		6.785 6.638 6.491	6.638	.147 .147 .294	1.319	
5	5.012 4.865 4.717	4.865	.147 .148 .295	1.627		5.590 5.439 5.292	5.440	.151 .147 .298	1.617	
	15845					33547				

F.B. 1396 P.G. 169

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Hazy - Smog Inst. No. 15066
Notes by F. E. Brooks Time 9:00 - 9:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 8-38A To BM 30-1A
Date 13 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	5.361	15845	.148	1.627		5.098	33542	.147	1.617	
	5.213		.150			4.951		.150		
	5.063		.298			4.801		.297		
	15.637	5.212		1.925		14.850	4.950		1.914	
7	5.211		.147			5.017		.146		
	5.064		.146			4.871		.149		
	4.918		.293			4.722		.295		
	15.193	5.064		2.218		14.610	4.870		2.209	
8	5.402		.150			5.050		.151		
	5.252		.149			4.899		.147		
	5.103		.299			4.752		.298		
	15.757	5.252		2.517		14.701	4.900		2.507	
9	5.301		.148			5.038		.150		
	5.153		.147			4.888		.150		
	5.006		.295			4.738		.300		
	15.460	5.153		2.812		14.664	4.888		2.807	
10	4.569		.147			4.799		.148		
	4.422		.149			4.651		.148		
	4.273		.296			4.503		.296		
	13.264	4.421		3.108		13.953	4.651		3.103	
		40947					57801			

F.B. 1396 P.G. 190

76P526-CE 379—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Hazy - Smog Inst. No.: 15026
Notes by: F. E. Brooks Time: 9:00 - 9:45 Rod No.: 13-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 8-38A To: BM 30-1A
Date: 13 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	6.143	4.0997	.141	3.108		3.031	5.7801	.150	3.103	
	5.997		.147			2.881		.149		
	5.850		.293			2.732		.299		
	17.990	5.997		3.401		8.644	2.881		3.402	
12	7.348		.149			2.020		.149		
	7.623		.147			1.871		.149		
	7.682		.296			1.722		.298		
	23.189	7.730		3.697		5.613	1.871		3.700	
13	8.039		.148			1.222		.151		
	7.891		.149			1.071		.151		
	7.742		.297			0.920		.302		
	23.672	7.891		3.994		3.213	1.071		4.002	
14	7.401		.148			2.410		.149		
	7.253		.146			2.261		.148		
	7.107		.294			2.113		.297		
	21.761	7.254		4.288		6.784	2.261		4.299	
15	6.605		.148			4.130		.146		
	6.457		.146			3.984		.147		
	5.311		.294			3.837		.293		
	16.373	5.458		4.582		11.951	3.984		4.592	
	75371					69869				

F.B. 1396 P.G. 91

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy - Hot Inst. No. 15066
Notes by E. E. Brooks Time 9:00 - 9:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 8-38 A To BM 30-1A
Date 13 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
16	4.033 3.903 3.773 11.709	3.903	.130 .130 .260	4.582 4.842	#19 88°	6.072 5.935 5.799 17.806	5.935	.137 .136 .273	4.592 4.865	BM 30-1A Lakewood Blvd and Willow St. See F.B. 1396-169
										Summation of Run From B.M. 8-38A To B.M. 30-1A
										Total Backsights = + 79.278 Total Foresights = − 75.804 Diff. Elev. = + 3.474
										Backsight stadia = 4.842 Foresight Stadia = 4.865 Total Stadia = 9.707 = .61 mi

F.B. 1396 P.G. 192

79.278 75.804

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Hazy - Smog Inst. No. 15066
Notes by F. Martinez Time 10:00 - 10:45 Rod No. 19-20

Name LA Co. Precise Level Net
Job No. 0301.02
From BM 30-1A To BM 8-38A
Date 13 Oct 1961
Indexed H. E. OTT

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	5954 5818 5681 17453	5818	136 137 273	273	#19 88°	3916 3787 3658 11361	3.787	129 129 258	258	BM 30-1 A Lakewood Blvd 400'± N of Willow St. See F.B. 1396-169
2	4101 3960 3814 11881	3960	147 146 293	566		5582 5435 5288 16305	5435	147 147 294	552	⊼ Barilotti
3	2383 2237 2091 6711	2237	146 146 292	858		7377 7228 7079 21.684	7.228	149 149 298	850	
4	1031 0881 0732 2644	0881	150 149 299	1157		7849 7698 7548 23095	7.698	151 150 301	1151	
5	1903 1755 1606 5264	1755	149 149 297	1.454		7858 7712 7563 23.133	7.711	146 149 295	1.446	
		14.651					31859			

F.B. 1396 P.G. 193

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Sunny Inst. No. 15066
Notes by E. Martinez Time 10:00 - 10:45 Rod No. 17-20

Name L.A. Co. Precise Level
Job No. 0301.02
From BM 30-1A To BM B-38A
Date Oct 13 1961
Indexed H. E. OTT

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	2930	14651	150	1454		6044	[illegible]	146	1446	
	2780		146			5898		147		
	2634		296			5751		293		
	8344	2781		1.750		17693	[illegible]		1.739	
7	4764		147			4537		148		
	4617		148			4389		148		
	4469		295			4241		296		
	13850	4617		2.045		13167	4389		2.035	
8	5024		149			5289		147		
	4875		149			5142		147		
	4726		298			4995		294		
	14625	4875		2.343		15426	5142		2.329	
9	5098		150			5448		150		
	4948		149			5298		146		
	4799		299			5152		296		
	14845	4948		2.642		15898	[illegible]		2.625	
10	4878		147			5069		146		
	4731		151			4923		145		
	4580		298			4778		291		
	14189	4730		2.940		14770	[illegible]		2.916	
	36602					47310				

F.B. 1396 P.G. 194

76P526-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Weather: Smog
Inst. No.: 15016
Notes by: E. Martinez
Time: 10:00 - 10:45
Rod No.: 19 & 20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-1A To: BM 8-38A
Date: 13 Oct 1961
Indexed: H. E. OTT

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	4956	3660	151	2940		5217	5068	149	2916	
	4805		147			5068		150		
	4658		298			4918		299		
	14.419	4806		3.238		15203	5.068		3.215	
12	5518		149			4942		149		
	5369		150			4793		147		
	5219		299			4646		296		
	16.106	5369		3.537		14.381	4.793		3.511	
13	6930		146			1891		153		
	6784		141			1738		150		
	6643		287			1588		303		
	20.357	6785		3.824		5.217	1.739		3.614	
14	8694		146			1129		147		
	8548		149			0982		147		
	8399		295			0835		294		
	25.641	8547		4.119		2.946	0.982		4.108	
15	8699		178			1909		187		
	8521		179			1722		185		
	8342		357			1537		372		
	25.562	8521		4.476		5.168	1.723		4.486	
		70630					71.815			

F.B. 1372 P.G. 16

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Weather: Smog
Inst. No.: 15066
Notes by: E. MARTINEZ
Time: 10:00 - 10:45
Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-1A To: BM 8-38A
Date: 12 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	4357	70630	176	4476		6649	71815	185	4480	BM 8-38A
	4171		185			6461		184		Spring St. and Lakewood
	3986		351			6277		372		Blvd.
	12514	4171		4827		19387	6462		4852	See F.B. 2828-15
										Summation of Run From B.M. 30-1A To B.M. 8-38A
										Total Backsights = + 74.801 Total Foresights = − 78.277 Diff. Elev. = − 3.476
										Backsight stadia = 4.827 ~~Foresight Stadia~~ = 4.852
										Total Stadia = 9.679 = .61 m.
	74801					78277				

F.B. 1396 P.G. 196

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather CLEAR & HOT Inst. No. 15066
Notes by N. SMITH Time 8:30 - 13:0 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 03.0.0.0
From [illegible] To [illegible]
Date 10-16-61
Indexed H. E. OTT

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	2815		189		#19	4992		184		Z-T 30-14
	2626		189			4808		185		[illegible] 400' No of [illegible]
	2437		378		86°	4623		369		[illegible]
	7878	2626		378		4423	4808		369	
2	5595		183			7151		191		T BARILOTTI
	5412		184			6960		187		
	5228		367			6773		378		
	16235	5412		745		20884	6961		747	
3	4488		179			4943		185		
	4309		177			4758		182		
	4132		356			4576		367		
	12929	4310		1101		14277	4759		1113	
4	4499		185			5401		192		
	4314		184			5209		192		
	4130		369			5017		384		
	12943	4314		1470		15627	5209		1497	
5	5202		182			5272		184		
	5020		183			5088		185		
	4837		365			4903		369		
	15059	5020		1835		15263	5088		1867	
	21.682					26.825				

F.B. 1396 P.G. 197

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather CLEAR [illegible] Inst. No. 15066
Notes by N. SMITH Time 8:30 - [illegible] Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. C301.02
From B.M. 30-1A To B.M. 30-2C
Date 10-16-61
Indexed H. E. OTT

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
				1835					1866	
6	4571	21.682	187			5298	26.925	180		
	4384		186			5118		180		
	4198		373			4938		360		
	13153	4384		2208		15354	[illegible]18		2226	
7	4471		183			4851		185		
	4288		182			4666		182		
	4106		365			4484		367		
	12865	4288		2573		14001	[illegible]		2593	
8	4614		184			4882		184		
	4430		182			4698		181		
	4248		366			4517		365		
	13292	4431		2939		14097	4699		2958	
9	4475		182			4994		181		
	4293		182			4813		180		
	4111		364			4633		361		
	12879	4293		3303		14440	[illegible]13		3319	
10	4462		179			4909		196		
	4283		180			4713		195		
	4103		359			4518		391		
	12848	4283		3653 62		14140	4713		3710	
		43.361					50.835			

F.B. 1396 P.G. 198

76P526-CE 379—10-57

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Chief of Party E. E. Brooks Weather Clear & Hot Inst. No. 15066
Notes by N. Smith Time 8:30 - 9:30 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 30-1A To B.M. 30-2C
Date 10-16-61
Indexed H. E. OTT

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	4781	43.361	169	3662		5227	54.535	180	3710	
	4612		168			5047		179		
	4444		337			4868		359		
	13837	4612		3990		15142	5047		4069	
12	5092		199			4961		175		[illegible] 30-2C.
	[illegible]		199			4786		174		Clark Ave & [illegible]
	4694		398			4612		349		[illegible] 1396-170
	14679	4893		4388 97	90°	14359	4786		4418 9	
										Summation of Run From B.M. 30-1A To B.M. 30-2C
										Total Backsight = + 52,866 Total Foresight = − 60,668 Diff. Elev. = − 7,802
										Backsight stadia = 4388 97 Foresight Stadia = 4418 9 Total Stadia = 8806 = .56 Mi

52,866 60,668

F.B. 1396 P.G. 199

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 11:30 - 12:[illegible] Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. C301.02
From B.M. 30-2C To B.M. 30-1A
Date 17 Oct 1961
Indexed H. E. Ott

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	5.162		.182		#19	5.273		.191		B.M. 30-2C
	4.980		.182			5.082		.193		Clark Ave & [illegible]
	4.798		.364			4.889		.384		[illegible]
	14.940	4.980		.364	69°	15.244	[illegible].081		.384	
2	5.132		.181			4.684		.165		T Barilotti
	4.951		.181			4.519		.166		
	4.770		.362			4.353		.331		
	14.853	4.951		.726		13.556	4.519		.715	
3	5.179		.195			4.732		.179		
	4.984		.193			4.553		.178		
	4.791		.388			4.375		.357		
	14.954	4.985		1.114		13.660	4.553		1.072	
4	4.641		.174			4.143		.192		
	4.467		.171			3.951		.192		
	4.296		.345			3.759		.384		
	13.404	4.468		1.459		11.853	3.951		1.456	
5	5.133		.183			4.862		.184		
	4.950		.182			4.678		.181		
	4.768		.365			4.497		.365		
	14.851	4.950		1.824		14.037	4.679		1.821	
		24.334					22.783			

F.B. 1396 P.G. 200

76P526-CE 379--10-57

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Chief of Party: E. E. Brooks Weather: Overcast Inst. No. 15066
Notes by: F. E. Brooks Time: 11:30 - 12:00 Rod No. 19920

Name: L.A. Co. Precise Level Net
Job No. 0.30.00
From: BM 30-2C To: E 30-14
Date: 1/10-1/11
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.308	24.334	.185	1.834		4.931	22.783	.180	1.821	
	5.123		.185			4.751		.190		
	4.938		.370			4.571		[illegible]		
	15.369	5.123		2.194		14.253	4.751		2.181	
7	5.114		.191			4.820		.189		
	4.923		.190			4.631		.193		
	4.733		.381			4.438		.373		
	14.770	4.923		2.575		13.851	4.617		2.559	
8	5.293		.170			5.313		.190		
	5.123		.182			5.123		.193		
	4.941		.365			4.930		.379		
	15.271	5.090		2.940		15.370	5.123		2.932	
9	5.828		.189			4.925		.183		
	5.639		.187			4.742		.184		
	5.452		.376			4.558		.367		
	16.919	5.640		3.316		14.225	4.742		3.305	
10	4.971		.190			4.579		.186		
	4.781		.190			4.393		.187		
	4.591		.380			4.206		.377		
	14.223	4.741		3.696		13.058	4.353		3.678	
	49.851					45.969				

F.B. 139 P.G. 20

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 11:30 - 12:00 Rod No. 17420

Name L.A. Co. Precise Level Net
Job No. 030102
From [illegible] C To B.M. 30-1A
Date 17 Oct 1961
Indexed H. E. OTT

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	7.166	49.851	.175	3.676		5.630	45.769	.179	3.678	
	6.991		.173			5.451		.179		
	6.818		.348			5.272		.358		
	20.975	6.992		4.074		16.353	5.451		4.036	
12	4.714		.182		.319	2.537		.186		B.M. 30-1A
	4.532		.181			2.351		.186		Lakewood Blvd. 400± No. of Willow St.
	4.351		.363			2.165		.372		F.B. [illegible]
	13.597	4.532		4.387	68°	7.053	2.351		4.408	
										Summation of Run From B.M. 30-2B- To B.M. 30-1A
										Total Backsights = + 61.375
										Total Foresights = − 53.571
										Diff. Elev. = + 7.804
										Backsight stadia = 4.387
										Foresight Stadia = 4.408
										Total Stadia = 8.795
										= .56 mi
		61.375					53.571			

F.B. 1396 P.G. 202

76P526-CE 379—10-57

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Chief of Party: E. E. Brooks
Notes by: F. E. Brooks
Weather: Clear
Time: 9:25
Inst. No.: [illegible]
Rod No.: [illegible]

Name: L.A. Co. Precise Level Net
Job No.: [illegible]
From: B.M. 33-2C To: [illegible] 30-2B
Date: 16 Oct 1961
Indexed: H. E. OTT

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	4.961 4.935 4.611		.126 .124 .250		#19	5.718 5.603 5.492		.115 .111 .226		B.M. 30-2C Clark Ave & Willow St F.B. [illegible]
	14.507	4.936		.250	90°	16.813	5.604		.226	
										B.M. 30-2B Clark [illegible] F.B. [illegible] T Bench Mt
										Summation of Run From B.M. 30-2C To B.M. 30-2B
										Total Backsights = + 4.836 Total Foresights = − 5.604 Diff. Elev. = − 0.768
										Backsight stadia = .250 Foresight Stadia = .226 Total Stadia = .476 = .03 mi

F.B. [illegible] P.G. 203

76P526-CE 379—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. [illegible]
Notes by F. E. Brooks Time 11:25 Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 30-2B To B.M. 30-2C
Date 17 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	6.077 5.950 5.823 17.850	5.950	.127 .127 .254	254	#19 63°	5.302 5.179 5.058 15.539	.180	.123 .121 .244	244	B.M. 30-2B. Clark Ave & Willow St. F.B. [illegible]
										B.M. 30-2C. Clark St. & Willow St. F.B. [illegible] T Barilotti
										Summation of Run From B.M. 30-2B To B.M. 30-2C.
										Total Backsights = + 5.950 Total Foresights = − 5.180 Diff. Elev. = + 0.770
										Backsight stadia = 254 Foresight Stadia = 244 Total Stadia = .498 = .03 mi.

F.B. 1396 P.G. 204

76P526-CE 379—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:30 - 10:05 Rod No. 19420

Name LA Co. Precise Level Net
Job No. [illegible]
From B.M. 30-2B To B.M. 30-3
Date 16 Oct 1961
Indexed H. E. OTT

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	5.258 5.071 4.883 15.212	5.071	.187 .188 .375	.375	#19 90°	5.684 5.498 5.312 16.494	5.498	.186 .186 .372	.372	B.M. 30-3B. Clark [illegible] of F.B. 1396-[illegible]
2	4.571 4.472 4.372 13.415	4.472	.099 .100 .199	.574		5.393 5.305 5.218 15.916	5.305	.088 .087 .175	.547	T Barilotti
3	4.898 4.718 4.538 14.154	4.718	.180 .180 .360	.934		5.315 5.126 4.937 15.378	5.126	.189 .189 .378	.925	
4	4.915 4.729 4.544 14.188	4.729	.186 .185 .371	.1305		5.277 5.093 4.911 15.281	5.094	.184 .182 .366	1.291	
5	4.993 4.810 4.627 14.430	4.810	.183 .183 .366	1.671		5.278 5.093 4.910 15.281	5.094	.185 .183 .368	1.659	
		23.800					26.117			

F.B. 1396 P.G. 205

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks
Notes by F. E. Brooks
Weather Clear
Time 9:30 - 16:25
Inst. No. 15266
Rod No. 12500

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Bay Area B To 5.M.30-3
Date 16 OCT 1961
Indexed H. E. OTT

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	6.281	23.800	.184	1.671		5.504	22.777	.186	1.659	
	6.097		.184			5.318		.182		
	5.913		368			5.136		368		
	18.291	6.097		2.039		15.958	5.319		2.027	
7	4.979		.186			4.963		.184		
	4.793		.185			4.779		.181		
	4.608		371			4.598		365		
	14.080	4.693		2.410		14.340	4.780		2.392	
8	5.215		.180			5.251		.190		
	5.035		.179			5.061		.188		
	4.856		359			4.873		.378		
	15.106	5.035		2.769		15.185	5.062		2.770	
9	5.092		.182			4.902		.185		
	4.890		.182			4.717		.184		
	4.708		364			4.533		369		
	14.690	4.890		3.133		14.152	4.717		3.139	
10	4.891		.184			5.039		.182		
	4.707		.183			4.857		.181		
	4.524		367			4.676		363		
	14.122	4.707		3.500		14.752	4.917		3.502	
	49.222					60.312				

F.B. 134 P.G. 206

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:30-10:05 Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. [illegible]
From B.M. 30-2B To B.M. 30-3
Date 16 Oct 1961
Indexed H. E. Ott

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	5.371	49.222	.172	3.500		5.349	50.912	.171	3.502	
	5.199		.171			5.178		.170		
	5.028		343			5.008		341		
	15.598	5.199		3.843		15.535	5.178		3.843	
12	4.902		.100		#19	4.739		.125		B.M. 30-3
	4.802		.101			4.614		.126		[illegible]
	4.701		201			4.488		251		[illegible]
	14.405	4.802		4.044	92°	13.841	4.614		4.094	
										Summation of Run From B.M. 30-2B To B.M. 30-30-3
										Total Backsights = + 59.223 Total Foresights = − 60.704 Diff. Elev. = − 1.481
										Backsight stadia = 4.044 Foresight Stadia = 4.094 Total Stadia = 8.138 = .5X²m.
		59.223					60.704			

F.B. 1396 P.G. 207

✓ [illegible]

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloud/Clear Inst. No. 15066
Notes by N. SMITH Time 10:50 11:[illegible] Rod No. [illegible]

L.A. Co. Precise Level Net
Name
Job No. [illegible]
From [illegible] To [illegible]-2 B
Date 10-17-61
Indexed H. E. OTT

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	5017		109		#19	5211		117		B.M. 30-3
	4908		110			5094		117		Clark Ave. & Stearns St.
	4798		219			4977		234		[illegible]-8
	14723	4908		219	66°	15282	[illegible]		234	
2	5625		170			[illegible]		172		T BARILOTTI
	5455		171			5477		173		
	5284		341			5304		345		
	16364	5455		560		16430	[illegible]		579	
3	5154		181			4946		184		
	4973		181			4762		183		
	4792		362			4579		367		
	14919	4973		722		14287	[illegible]		946	
4	5100		185			5264		181		
	4915		185			[illegible]		180		
	4730		370			[illegible]		[illegible]		
	14745	4915		1292		15250	[illegible]		1307	
5	5331		187			5304		183		
	5144		185			5121		183		
	4959		372			4938		366		
	15434	5145		1664		15363	5121		1673	
	25396					25537				

F.B. 396 P.G. 208

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy & Cool Inst. No. 15066
Notes by N. SMITH Time 10 50 11 30 Rod No. 19830

Name LA. Co. Precise Level Net
Job No. 030602
From BM 70-3 To PM 30-2B
Date 10-17-61
Indexed H. E. OH

Number of Station	BACKSIGHT Thread Readings	Mean 25396	Thread Intervals	Sum of Intervals 1664	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 25537	Thread Intervals	Sum of Intervals 1673	DESCRIPTION AND REMARKS
6	5241 [illegible] [illegible] [illegible]	[illegible]	183 [illegible] 366	2030		5157 4971 4786 14914	4971	186 [illegible] 37[illegible]	2044	
7	[illegible] 5511 [illegible] 16548	[illegible]	184 [illegible] 368	2398		[illegible] [illegible] [illegible] 15882	6294	185 185 367	2411	
8	5395 5210 5028 15633	5211	185 182 367	[illegible]		[illegible] 4926 4944 [illegible]	4927	[illegible] [illegible] [illegible]	[illegible]	
9	5303 5318 5333 15954	5318	185 185 370	[illegible]		[illegible] 4903 4771 14859	4953	[illegible] [illegible] 36[illegible]	3142	
10	5348 5213 5030 15641	5214	185 183 368	3803		4991 4808 4623 144[illegible]	4808	[illegible] [illegible] [illegible]	[illegible]	
		51713					51490			

F.B. 1396 P.G. 419

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party [illegible] Weather Cloud/[illegible] Inst. No. 15066
Notes by N. SMITH Time 10 [illegible] 11 [illegible] Rod No. 19920

Name E.A. Co. Precise Level Net
Job No. [illegible]
From [illegible] 30-3 To [illegible] 30-2B
Date 10-17-61
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
		51713		3503			51490		35.2	
11	5586		93			[illegible]		94		
	5493		93			[illegible]		92		
	5400		186			[illegible]		186		
	16479	5493		3689		13979	[illegible]60		3698	
12	5967		188			5543		188		B.M. 30-2B
	5779		184			5355		190		Clark St. & Willow St.
	5595		372			5165		378		[illegible] 170
	17341	5780		4061	68°	16063	[illegible]54		4076	
										Summation of Run From B.M. 30-3 To B.M. 30-2D
										Total Backsights = + 62,986 Total Foresights = − 61,504 Diff. Elev. = + 1,482
										Backsight stadia = 4061 Foresight Stadia − 4076 Total [illegible] 8.137 = .57 mi
		62,986					61504			

F.B. 1396 P.G. 210

76P526-CE 379---10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear & Hot Inst. No. 15066
Notes by N. Smith Time 10[illegible] - 10[illegible] Rod No. 19 & 20

L.A. Co. Precise Level Net
Name
Job No. 0301-02
From B.M. 35-3 To B.M. 30-4
Date 10-16-61
Indexed H. E. Ott

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	5562		87		#19	5611		93		B.M. 30-3
	5275		87			5518		93		Cross Fuller & Lyons St.
	5768		174			5425		186		[illegible]
	17625	5875		174	92°	16554	5518		186	
2	5127		187			6047		187		T Workman
	4940		185			5860		183		
	4755		372			5677		370		
	14822	4941		546		17584	5861		556	
3	5230		185			6210		181		
	5045		187			6029		180		
	4858		372			5849		361		
	15133	5044		912		18088	6029		917	
	5529		183			5910		187		
	5346		183			5723		184		
	5163		366			5539		371		
	16038	5346		1284		17172	5724		1288	
	5299		185			5885		186		
	5114		185			5699		185		
	4929		370			5514		371		
	15342	5114		1654		17098	5699		1659	
	26320					28831				

F.B. 1396 P.G. 11

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather CLEAR & HT Inst. No. 15066
Notes by N. SMITH Time 10 15 10 Rod No. 19820

Name L.A. Co. Precise Level No.
Job No. 0301.02
From BM-30-3 To BM 30-4
Date 10-16-61
Indexed N. E. OTT

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
		26,320		1654			28,131		1659	
6	5327		182			5753		186		Summation of Run
	5145		184			5567		184		From B.M 30-3
	4961		366			5383		370		To B 30-4
	15433	5144		2020		16703	5568		2029	
7	5460		186			5861		184		Total Backsights = + 52.470
	5274		186			5677		186		Total Foresights = − 56.788
	5088		372			5491		370		Diff. Elev. = − 4.318
	15822	5274		2392		17029	5676		2399	
	5402		191			5490		181		Backsight stadia = 3282
	5211		187			5309		180		Foresight Stadia = 3285
	5024		378			5129		361		Total Stadia = 6567
	15637	5212		2770		15928	5309		2760	.4 x 2 MI
9	5343		186			5673		184		
	5157		189			5489		183		
	4968		375			5306		367		
	15468	5156		3145		16468	5489		3127	
10	5433		69			5994		80		B.M 30-4
	5364		68			5914		78		CLARK AVE & ATHERTON ST.
	5296		137			5836		158		F.B 1396-1
	16093	5364		3282	88	17744	5915		3285	
		52.470					56.788			

F.B. 1396 P.G. 212

76P526-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: ~~F. E. Brooks~~ Weather: fog Inst. No.: [illegible]
Notes by: F. E. Brooks Time: 10:00 - 10:45 Rod No.: [illegible]

Name: L.A. Co. Precise Level Net
Job No.: 030602
From: [illegible]-4 To: [illegible]-3
Date: 11/06/[illegible]
Indexed: H. E. Ott

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	5.794 5.605 5.198	5.556	.189 .051 .56	.0	[illegible]	[illegible] 5.501 5.225	5.305	.171 .269 .190	.40	B.M. 30-4 [illegible]
2	5.560 5.428 5.131	5.341	.132 .296	.532		5.230 5.045 4.860	5.045	.185 .185 .370	.0	T. W. [illegible]
3	5.559 5.383 5.201	5.394	.176 .182 .358	.891		5.440 5.283 5.099	5.204	.157 .184 .341	.41	
4	5.354 5.170 [illegible]	5.611	.184 .184 .370	1.269		[illegible] 5.223 5.093	5.267	.192 .195 .387	1.243	
5	5.382 5.191 5.029	5.540	.182 .191 .363	1.632		5.333 5.149 4.963	5.150	.190 .186 .376	1.624	
		27.960					26.051			

F.B. 1391 P.G. 213

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather -69 Inst. No. 15666
Notes by F. E. Brooks Time 10:00 - 10:45 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. [illegible]
From B.M. 30-4 To B.M. 30-3
Date 17 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.621	27.860	.186	1.632		5.036	26.051	.186	1.624	
	5.435		.186			4.850		.185		
	5.249		.372			4.665		.371		
	16.305	5.435		2.004		14.551	4.850		1.995	
7	5.802		.183			5.425		.186		Total Backsights = + 55.816
	5.619		.187			5.239		.189		Total Foresights = − 51.492
	5.432		.370			5.050		.375		Diff. Elev. = + 4.324
	16.853	5.619		2.374		15.714	5.238		2.370	
8	6.092		.180			5.111		.186		Backsight stadia = 3.300
	5.912		.184			4.925		.185		Foresight Stadia = 3.284
	5.728		.364			4.740		.371		Total Stadia = 6.584
	17.732	5.911		2.739		14.776	4.925		2.841	= .42 mi.
9	5.861		.181			4.948		.190		B.M. 30-3
	5.680		.181			4.758		.189		[illegible]
	5.499		.362			4.569		.379		[illegible]
	17.040	5.680		3.100		14.275	4.758		3.120	
10	5.412		.100		#19	5.752		.083		Summation of Run
	5.312		.100			5.669		.081		From B.M. 30-4
	5.212		.200			5.588		.164		To B.M. 30-3
	15.936	5.312		3.300	66°	17.009	5.670		3.284	
		55.816					51.492			

F.B. 1396 P.G. 214

✓ KFm

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Chief of Party F. E. Brooks Weather Clear Hot Inst. No. 15066
Notes by D. Smith Time 10 50 10 55 Rod No. 19930

Name L.A. Co. Precise Level Net
Job No. [illegible]
From B.M. 30-4 To B.M. 30-5
Date 10-16-61
Indexed H. E. OTT

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	6340 6268 6199 8807	6269	72 69 141	141		6604 6528 6451 19583	6528	76 77 153	153	B.M. 30-4 [illegible] F.B. 1396-[illegible]
										B.M. 30-5 [illegible] F.B. [illegible] T Workman
										Summation of Run From B.M. 30-4 To B.M. 30-5
										Total Backsights = + 6269 Total Foresights = − 6528 Diff. Elev. = − 0.259
										Backsight stadia = 141 Foresight [illegible] 153 Total S[illegible] 294 = .02 mi

F.B. 1396 P.G. 415

K Zm

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Fog Inst. No. 15066
Notes by F. E. Brooks Time 9:55 Rod No. 19420

Name R.A. Co. Precise Lev. Mat
Job No. [illegible]
From B.M-30-5 To B.M-30-4
Date 17 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	6.454 6.379 6.302 19.135	6.378	075 077 152	152	#19 64	6.190 6.120 6.049 18.359	6.120	070 071 141	141	B.M-30-5 [illegible] [illegible] 9
										B.M-30-4 [illegible] + Fuerton [illegible] [illegible] Workman
										Summation of Run From B.M. 30-5 To B.M. 30-4
										Total Backsights = + 6378 Total Fore[illegible] − 6.120 Diff. Elev. + 0.258
										Backsight stadia = 152 Foresight Stadi[illegible] = 141 Total Stad[illegible] = .293 = .02 mi

F.B. 1396 P.G. 216

[illegible]

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 10:55-11:20 Rod No. 19420

Name LA. Co. Precise Level Net
Job No. C30[illegible]
From [illegible] 30-5 To [illegible] 30-22
Date 16 Oct 19[illegible]
Indexed H. E. OTT

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
	5.542		.182		#19	5.378		.185		[illegible]
	5.360		.182			5.193		.187		[illegible]
	5.178		.364			5.006		.372		[illegible]
	11.080	5.360		.364	88°	15.577	5.192		.372	
	4.793		.184			5.246		.188		⊼ Workman
	4.609		.182			5.058		.187		
	4.427		.366			4.871		.375		
	13.829	4.6[illegible]		.730		15.175	5.058		.747	
	5.035		.186			5.293		.181		
	4.849		.182			5.112		.183		
	4.667		.368			4.929		.364		
	14.551	4.850		1.098		15.334	5.111		1.111	
	4.889		.180			5.443		.182		
	4.709		.179			5.261		.183		
	4.530		.359			5.078		.365		
	14.128	4.709		1.457		15.782	5.261		1.476	
	5.024		.188			5.379		.183		
	4.836		.188			5.196		.186		
	4.648		.376			5.010		.369		
	14.508	4.836		1.833		15.585	5.195		1.845	
		24.365					25.[illegible]			

F.B. 1396 P.G. 217

76P526-CE 379—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No.: 15066
Notes by: F. E. Brooks Time: 10:55 - 11:20 Rod No.: 14736

Name: L.A. Co. Precise Level Net
Job No.: 03662
From: B.M. 30-5 To: B.M. 30-22
Date: 16 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.194	4.365	.187	1.833		5.309	4.317	.140	1.845	
	5.009		.184			5.739		.168		
	4.823		.371			5.571		.338		
	15.024	5.008		2.204		11.219	5.740		2.193	
7	5.385		.043		#11	5.253		.039		B.M. 30-22
	5.342		.042			5.214		.038		
	5.306		.085			5.176		.077		
	16.027	5.342		2.289	88	15.643	5.214		2.260	
										Summation of Run From B.M. 30-5 To B.M. 30-22
										Total Backsights = + 34.715 Total Foresights = − 36.771 Diff. Elev. = − 2.056
										Backsight stadia = 2289 Foresight Stadia = 2260 Total Stadia = 4549 = .29 mi.
	34.715					36.771				

F.B. 1346 P.G. 216

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy Inst. No. 15066
Notes by [illegible] Time 9:40 - 10:00 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. [illegible]
From B.M. 30-22 To [illegible]
Date 10-17-61
Indexed H. E. OTY

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
	5217		39		77	[illegible]		[illegible]		B.M. 30-22
	5178		37			5301		37		[illegible]
	5141		76			[illegible]		[illegible]		[illegible]
	15536	5179		76	[illegible]	[illegible]	5301		[illegible]	
	[illegible]		170			5052		18X 9		T WORKMAN
	5590		170			4863		185		
	[illegible]		340			4678		~~366~~ 74		
	16770	[illegible]		[illegible]		14593	[illegible]		444	
	5151		186			4799		182		
	4965		182			[illegible]		[illegible]		
	4783		365			[illegible]		[illegible]		
	[illegible]	[illegible]		784		13842	4616		[illegible]	
	5278		189			[illegible]		[illegible]		
	5089		186			4536		[illegible]		
	[illegible]		375			4360		350		
	15270	5090		1159		[illegible]	[illegible]		1161	
	[illegible]		[illegible]			[illegible]		18		
	5032		182			4775		[illegible]		
	4850		353			[illegible]		370		
	15095	5032		1522		14325	4775		1539 X 9	
		25857					24091			

F.B. 1296 P.G. 219

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather [illegible] Inst. No. 15066
Notes by N. Smith Time 9:40 [illegible] Rod No. 19420

L.A. Co. Precise Level Net
Name
Job No. [illegible]
From B.M. 30-22 To B.M. 30-5
Date 9-17-[illegible]
Indexed H. E. OTT

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
		25857		[illegible]			[illegible]		[illegible]	
6	[illegible]		184			4856		186		
	5126		186			4670		183		
	4940		[illegible]			4487		[illegible]		
	[illegible]	5125		[illegible]		[illegible]	[illegible]		[illegible]	
7	5437		187			5600		[illegible]		B.M. 30-5
	5250		184			5419		183		[illegible]
	5066		371			5236		[illegible]		[illegible]
	15753	5251		2263		[illegible]	[illegible]		72	
										Summation of Run From B.M. 30-22 To B.M. 30-5
										Total Backsights = + 36233 Total Foresights = − 34180 Diff. Elev. = + 2,053
										Backsight stadia = 2263 Foresight Stadia = 2272 Total Stadia 4535 = .29 MI

F.B. 1392 P.G. 220

36233 34180

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 11:25 - 11:50 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 030[illegible]
From [illegible] 30-22 To E.M. 30-7
Date 16 Oct 1961
Indexed B. E. Ott

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	5.721 5.536 5.350 16.607	5.536	.185 .186 .371	.371	#19 88°	6.379 6.200 6.025 18.604	6.201	.179 .175 .354	.354	E.M. 30-22 Atherton St. [illegible] [illegible]-11
2	6.040 5.848 5.660 17.548	5.849	.192 .188 .380	.751		5.239 5.050 4.865 15.154	5.051	.189 .185 .374	.728	T Workman
3	4.932 4.747 4.563 14.242	4.747	.185 .184 .369	.1120		4.905 4.717 4.529 14.151	4.717	.188 .188 .376	.1104	
4	5.568 5.387 5.208 16.163	5.388	.181 .179 .360	.1480		4.945 4.757 4.569 14.271	4.757	.188 .188 .376	.1480	
5	5.437 5.251 5.067 15.755	5.252	.186 .184 .370	.1850		5.255 5.068 4.883 15.206	5.069	.187 .185 .372	.1852	
		26.772					25.795			

F.B. 1396 P.G. 221

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. [illegible]
Notes by F. E. Brooks Time 11:25 – 11:50 Rod No. 19[illegible]

L.A. Co. Precise Level Net
Name
Job No. [illegible]
From B.M. 30-22 To B.M. 30-7
Date 16 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.490	26.772	.150	1.850		5.023	[illegible].795	.148	1.852	
	5.340		.148			4.875		.148		
	5.192		.298			4.727		.296		
	16.022	5.341		2.148		14.625	[illegible]875		2.148	
7	5.825		.032		#19	6.686		.032		B.M. 30-7
	5.793		.032			6.654		.032		Atherton St & Bonifacio Blvd
	5.761		.064			6.622		.064		F.B. 13[illegible]
	17.379	5.793		2.212	90°	19.962	6.654		2.212	
										Summation of Run From B.M. 30-22 To B.M. 30-7
										Total Backsights = + 37.906 Total Foresights = − 37.324 Diff. Elev. + 0.582
										Backsight stadia = 2.212 Foresight Stadia 2.212 Total 4.424 = .28 mi

F.B. 1326 P.G. 222

37.906 37.324

76P526-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Cloudy & Cool Inst. No. 15066
Notes by N. SMITH Time 9 15 9 [illegible] Rod No. [illegible]

L.A. Co. Precise Level Net
Name
Job No. 030[illegible]
From B.M. 30-7 To [illegible]
Date 10-17-61
Indexed B. E. OTT

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	6660 6623 6587 19870	6623	37 36 73	73	#19 62°	5802 5768 5734 17304	5768	34 34 68	68	[illegible]
2	4[illegible] 4808 4659 14424	4808	149 149 298	371		5413 5265 5118 15796	5265	148 147 295	363	⊼ WORKMAN
3	5092 4909 4726 14727	4909	183 183 366	737		5282 5099 4913 15294	5098	183 186 369	732	
4	4702 4517 4330 13549	4516	185 187 372	1109		5323 5139 4951 15413	5138	184 188 372	1104	
5	4669 4484 4299 13452	4484	185 185 370	479		4708 4522 4336 13566	4522	186 186 372	1476	
		25340					25791			

F.B. 1396 P.G. 227

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather cloudy [illegible] Inst. No. 15066
Notes by N. Smith Time 9:15 [illegible] Rod No. 19920

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 30-7 To B.M. 30-22
Date 10-17-61
Indexed H. E. Ott

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
		35340		1479			[illegible]		1476	
6	5170 4986 4799		184 187 371			5963 5777 5587		186 190 376		
	14955	4985		1850		17527	5[illegible]76		1852	
7	6459 6282 6106		177 176 353			5864 5680 5439		184 181 365		B.M. 30-22 [illegible] Bonanza Blvd F.B. [illegible]-11
	18847	6282		2203	64°	16863	5621		2217	
										Summation of Run From B.M. 30-7 To B.M. 30-22
										Total Backsights = ₤ 36607 Total Foresights 37188 Diff. Elev. = − 0581
										Backsight stadia = 2203 Foresight Stadia = 2217 Total [illegible] = 4420 .28 MI

F.B. 396 P.G. 224

36607 37188

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather CLEAR & HOT Inst. No. 15066
Notes by N. SMITH Time 1:10 1:45 Rod No. 19520

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-7 To BM 30-7A
Date 10-16-01
Indexed H. E. OTT

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
	6288		185		#19	5807		184		BM 30-7
	6103		185			5623		182		Atherton St and [illegible]
	5918		370			5441		366		St.
1	18309	6103		370	94°	16871	5624		366	See F.B. 1396-2
	5082		183			4721		185		T BARILOTT
	4899		183			4536		185		
	4716		366			4351		370		
2	14697	4899		736		13608	4536		736	
	5559		88			4408		115		
	5471		88			4293		115		
	5383		176			4178		230		
3	16413	5471		912		12879	4293		966	
	6114		185			4157		180		
	5929		185			3977		179		
	5744		370			3798		359		
4	17787	5929		1282		11932	3977		1305	
	6232		194			3528		186		
	6038		192			3342		185		
	5846		386			3157		371		
5	18116	6039		1668		10027	3342		1676	
		28441					21772			

F.B. 1396 P.G. 225

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by N. Smith Time 1:10 - 1:40 Rod No. 19520

Name L.A. Co. Precise Level Net
Job No. [illegible]
From BM 30-7 To BM 30-18
Date 10-16-61
Indexed H. E. OTY

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
		28441		1668			21722		1676	
	7098		184			3082		184		
	6914		183			2898		182		
	6731		367			2716		366		
6	20743	6914		2035		8696	2899		2042	
	7061		183			3320		183		
	6878		183			3137		185		
	6695		366			2952		368		
7	20634	6878		2371		9409	3136		2430	
	6820		187			3972		184		
	6633		185			3788		185		
	6448		372			3603		369		
8	19901	6634		2743		11363	3788		2739	
	6648		185			3265		186		
	6463		184			3079		183		
	6279		369			2896		367		
9	19390	6463		3142		9240	3080		3148	
	6650		187			2118		180		
	6463		185			1938		180		
	6278		372			1758		360		
10	19391	6464		3484		5814	1938		3508	
	61794					36613				

F.B. 139 P.G. 226

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather CLEAR & HOT Inst. No. 15066
Notes by N. SMITH Time 1:10 [illegible] Rod No. 19[illegible]

Name L.A. Co. Precise Level Net
Job No. 0301-02
From BM 30-7 To BM 30-7A
Date 10-16-61
Indexed H. E. OTT

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
		61794		3451			36613		3502	
	[illegible]		132			2689		135		
	7936		133			2554		133		
	[illegible]		265			[illegible]		268		
11	33807	7936		3779		7664	2555		3796	
	64[illegible]		134			1501		133		BM 30-7A
	[illegible]		132			1368		133		BELL FLOWER BLVD &
	[illegible]		[illegible]			1236		266		[illegible]
12	16974	[illegible]		4015	94°	4104	1368		4042	[illegible] F.B. [illegible] - 181
										Summation of Run From B.M. 30-7 To BM 30-7A
										Total Backsights = + 76055 Total Foresights = − 40536 Diff. Elev. = + 35,519
										Backsight stadia = 4015 Foresight Stadia = 4042 8 10 57 8 10 7 .51 MI
		76055					40536			

F.B. 1396 P.G. 227

76P526-CE 379—10-57

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Chief of Party E. E. Brooks Weather fog Inst. No. 15666
Notes by F. E. Brooks Time 8:40 - 9:1[illegible] Rod No. 19[illegible]

Name L. A. Co. Precise Level Net
Job No. 030[illegible]
From BM 30-7A To BM 30-7
Date 17 Oct 19[illegible]
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1.408		.136		#19	6.363		.133		BM 30-7A
	1.272		.134			6.230		.135		BELLFLOWER BLVD. &
	1.138		.270			6.095		.268		ANAHEIM RD.
1	3.818	1.273		.270	62°	18.688	6.229		.268	SEE FB 1396-181
	2.616		.133			7.992		.134		
	2.483		.132			7.858		.133		T Barilotti
	2.351		.265			7.725		.267		
2	7.450	2.483		.535		23.575	7.858		.535	
	2.310		.183			6.835		.182		
	2.127		.184			6.653		.182		
	1.943		.367			6.471		.364		
3	6.380	2.127		.902		19.959	6.653		.899	
	3.641		.185			7.018		.183		
	3.456		.186			6.835		.183		
	3.270		.371			6.652		.366		
4	10.367	3.456		1.273		20.505	[illegible]		1.265	
	3.908		.186			6.957		.184		
	3.722		.184			6.573		.182		
	3.538		.370			6.391		.366		
5	11.168	3.723		1.643		19.721	[illegible]		1.631	
		13.062					34.149			

F.B. 1396 P.G. 228

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather fog Inst. No. [illegible]
Notes by F. E. Brooks Time 8:40-9:[illegible] Rod No. [illegible]

Name LA. Co. Precise Level Net
Job No. [illegible]
From BM 30-7A To BM 30-7
Date 17 [illegible] 19[illegible]
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.340	13.062	.184	1.643		7.078	34.149	.182	1.631	
	3.156		.184			6.896		.184		
	2.872		.368			6.712		.366		
6	9.468	3.156		2.011		20.686	6.895		1.997	
	2.991		.186			7.008		.186		
	2.805		.183			6.822		.184		
	2.622		.369			6.638		.370		
7	8.418	2.806		2.380		20.468	6.823		2.367	
	3.462		.184			6.164		.193		
	3.278		.185			5.971		.193		
	3.093		.369			5.778		.386		
8	9.833	3.278		2.749		17.913	5.971		2.753	
	3.842		.185			5.796		.181		
	3.657		.184			5.615		.183		
	3.473		.369			5.432		.364		
9	10.972	3.657		3.118		16.843	5.614		3.117	
	4.546		.115			5.693		.088		
	4.431		.114			5.605		.087		
	4.317		.229			5.518		.175		
10	13.294	4.431		3.347		16.816	5.605		3.292	
		30.390					65.057			

F.B. 1396 P.G. 229

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather fog Inst. No. 15066
Notes by F. E. Brooks Time 8:40-9:1[illegible] Rod No. 17[illegible]

Name L.A. Co. Precise Level Net
Job No. [illegible]
From BM 30-7A To BM 30-7
Date 17 Oct 1961
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.632	30.390	.175	3.347		5.015	[illegible].057	.193	3.292	
	4.457		.175			4.822		.191		
	4.282		.350			4.631		.384		
11	13.371	4.457		13.697		14.468	[illegible]		3.676	
	5.935		.178		#19	6.[illegible]		.190		B.M 30-7
	5.757		.178			[illegible]		.187		ATHERTON & BALL FLOWER
	5.579		.356			6.[illegible]		.377		ST.
12	17.271	5.757		4.053	64°	18.714	6.238		4.053	SEE FB 1396-12
										Summation of Run From B.M. 30-7A To B.M. 30-7
										Total Backsights = + 40.604 Total Foresights = − 76.118 Diff. Elev. = − 35.514
										Backsight stadia = 4.053 Foresight Stadia = 4.053 Total Stadia = 8.106 = .51 mi.
		40.604					76.118			

F.B. 1396 P.G. 230

✓ WJm

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather CLEAR Inst. No. [illegible]
Notes by N. Smith Time 1 35 2 35 Rod No. [illegible]

LA Co. Precise Level No.
Name
Job No. [illegible]
From BM 30-7A To BM 30-8
Date 10-17-61
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
	6105		143		[illegible]	6175		140		BM 30-7A
	5962		146			6035		140		Bellflower Blvd and
	5816		289			5895		280		Anaheim Cl.
	18883	5961		289	[illegible]	18105	6035		280	See F.B. 1329-191
	7828		148			3790		147		⊼ MARTINEZ
	7680		145			3643		147		
	7535		293			3496		294		
2	23043	7681		582		10929	3643		574	
	4533		180			5447		145		
	4353		180			5302		146		
	4173		360			5156		291		
3	13059	4353		942		15905	5302		865	
	3302		175			5871		190		
	3127		176			5681		191		
	2951		351			5490		381		
4	9380	3127		1293		17042	5681		1246	
	5795		180			6382		189		
	5615		177			6193		188		
	5438		357			6005		377		
5	10848	3616		1650		18580	6193		1623	
		24738					26854			

F.B. 1394 P.G. 231

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather CLEAR Inst. No. [illegible]
Notes by N. SMITH Time 1:35 2:[illegible] Rod No. [illegible]

L.A. Co. Precise Level
Name
Job No. 0361C2
From BM 30-7" To BM 30-8
Date 10-17-61
Indexed W. E. Orr

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
		24738		1650			24854		[illegible]	
	3639		187			5059		147		
	3452		173			5862		150		
	3269		370			5712		[illegible]		
6	10360	3453		2020		17583	[illegible]		[illegible]	
	3825		171			5949		200		
	3654		171			5749		192		
	3483		342			5557		[illegible]		
7	10962	3654		2362		17250	5750		[illegible]	
	4370		175			6384		[illegible]		
	4145		175			6192		191		
	3970		350			[illegible]		[illegible]		
8	12435	4145		2712		18577	[illegible]		[illegible]	
	3140		186			7801		182		
	2954		187			7619		182		
	2767		373			7437		364		
9	8861	2954		3075		22857	7619		3064	
	2470		181			7797		193		
	2289		183			7508		190		
	2106		364			7318		383		
10	6865	2288		3449		22527	7509		3447	
		41232					59785			

F.B. 1396 P.G. 232

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather CLEAR Inst. No. 15066
Notes by N. SMITH Time 1:35 2:35 Rod No. 19420

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-7A To BM 30-8
Date 10-17-61
Indexed H. E. OTT

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
		41232		3449			59785		3447	
	2477		182			7274		185		Summation of Run
	2295		183			7489		186		From B.M. 30-7A
	2112		365			7303		371		To B.M. 30-8
	6884	2295		3814		22466	7489		3818	
	2491		184			7578		180		Total Backsights = + 56,935
	2307		184			7398		180		Total Foresights = − 94,088
	2123		368			7218		360		Diff. Elev. = − 37,153
12	6921	2307		4182		22194	7398		4178	
	2370		185			7683		185		Backsight stadia = 5062
	2185		183			7498		186		Foresight Stadia = 5057
	2002		368			7312		374		Total Stadia = 10,119 =
13	6557	2185		4550		22493	7498		4549	.64 mi
	3778		185			5547		182		
	3593		186			5365		182		
	3407		371			5183		364		
14	10778	3593		4921		16095	5365		4913	
	5392		70			6625		72		B.M 30-8
	5322		71			6553		72		ON ANAHEIM RD. .15 MI
	5251		141			6481		144		W. of PALO VERDE AVE
15	15965	5322		5062	72°	19659	6553		5057	SEE F.B. 1396-13
		56935					94088			

F.B. 1396 P.G. 233

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: F. E. Brooks
Weather: Overcast
Time: 1:05 – 1:50
Inst. No.: [illegible]
Rod No.: 19[illegible]

Name: L.A. Co. Precise Level Net
Job No.: [illegible]
From: BM 30-B To: BM 30-7A
Date: 26 Oct 1961
Indexed: H. E. Ott

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
	6.561		.071		#19	5.330		.070		BM 30-C
	6.490		.071			5.260		.070		ON ANAHEIM RD. .15 mi
	6.419		.142			5.190		.140		W. of PALE VERDE AVE
1	19.470	6.490		.142	70°	15.780	5.260		.140	SEE F.B. 1396-13
	5.584		.180			3.814		.187		
	5.404		.183			3.630		.183		π Mariner
	5.221		.363			3.447		.370		
2	16.209	5.403		.505		10.894	3.631		.510	
	7.625		.180			2.317		.187		
	7.445		.184			2.130		.193		
	7.261		.364			1.947		.370		
3	22.331	7.444		.369		6.394	2.131		.880	
	7.530		.179			2.444		.184		
	7.351		.180			2.260		.183		
	7.171		.359			2.077		.367		
4	22.052	7.351		.1228		6.781	2.260		.1247	
	7.689		.187			2.491		.181		
	7.502		.183			2.310		.181		
	7.319		.370			2.129		.362		
5	22.510	7.503		.1598		6.930	2.310		.1609	
	34.191					15.592				

F.B. 1396 P.G. 234

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Over cast Inst. No. 15066
Notes by F. E. Brooks Time 1:05 – 1:50 Rod No. 19420

Name E.A. Co. Precise Level Net
Job No. 2301.02
From BM 30-8 To BM 30-7A
Date 20 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7.770	34.191	.186	1.599		2.549	15.592	.185	1.609	
	7.584		.187			2.364		.185		
	7.397		.373			2.179		.370		
6	22.751	7.584		1.971		7.092	2.364		1.979	
	7.690		.181			3.030		.186		
	7.509		.183			2.844		.185		
	7.326		.364			2.659		.371		
7	22.525	7.508		2.335		8.533	2.844		2.350	
	6.189		.186			4.140		.182		
	6.003		.183			3.958		.183		
	5.820		.369			3.775		.365		
8	18.012	6.004		2.704		11.873	3.958		2.715	
	6.069		.185			3.970		.183		
	5.884		.184			3.787		.185		
	5.700		.369			3.602		.368		
9	17.653	5.884		3.073		11.359	3.786		3.083	
	6.386		.168			3.971		.161		
	6.218		.169			3.810		.164		
	6.049		.337			3.646		.325		
10	18.653	6.218		3.410		11.427	3.809		3.408	
		67.389					32.353			

F.B. 1396 P.G. 235

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. [illegible]
Notes by F. E. Brooks Time 1:05 - 1:[illegible] Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. [illegible]
From BM 30-8 To BM 30-7A
Date 20 Oct 1961
Indexed H. E. OTT

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
	6.449	67.389	.180	3.410		3.879	32.353	.188	3.408	
	6.269		.180			3.691		.185		Summation of Run
	6.089		.360			3.506		.373		From B.M. 30-8
11	18.807	6.269		3.770		11.076	3.692		3.781	To B.M. 30-7A
	6.993		.185			4.433		.181		Total Backsights = + 96.014
	6.808		.187			4.252		.181		Total Foresights = − 58.862
	6.621		.372			4.071		.362		Diff. Elev. = + 37.152
12	20.422	6.807		4.142		12.756	4.252		4.143	
	6.178		.168			5.223		.161		Backsight stadia = 5.051
	6.010		.168			5.062		.159		Foresight Stadia = 5.044
	5.842		.336			4.903		.320		Total Stadia = 10.095
13	18.030	6.010		4.478		15.188	5.063		4.463	= .64 mi.
	3.761		.147			7.796		.146		
	3.614		.146			7.650		.145		
	3.468		.293			7.505		.291		
14	10.843	3.614		4.771		22.951	7.650		4.754	
	6.065		.140		#19	5.997		.146		B.M. 30-7A
	5.925		.140			5.851		.144		Bellflower Blvd. & Anaheim
	5.785		.280			5.707		.290		RD
15	17.775	5.925		5.051	72°	17.555	5.852		5.044	See F.B. 369-181
		96.014					58.862			

F.B. 1396 P.G. 236

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 9:10 - 9:50 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. [illegible]
From BM 30-8 To BM 30-9
Date 19 Oct 1961
Indexed F. E. OTT

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
	5.429		.149 ✓		#19	4.958		.153 ✓		BM 30-8
	5.280		.150 ✓			4.805		.152 ✓		On Ana[illegible] .15
	5.130		.299 ✓			4.653		.305 ✓		1st W. of Pa[illegible]
1	15.839	5.280		.299	74°	14.416	4.805		.305	See [illegible] 13
	4.512		.151 ✓			5.092		.151 ✓		
	4.361		.152 ✓			4.941		.151 ✓		⊼ Martinez
	4.209		.303 ✓			4.790		.302 ✓		
2	13.082	4.361		.602		14.823	4.941		.607	
	4.670		.150 ✓			4.984		.150 ✓		
	4.520		.150 ✓			4.834		.149 ✓		
	4.370		.300 ✓			4.685		.299 ✓		
3	13.560	4.520		.902		14.503	4.834		.906	
	5.801		.152 ✓			5.360		.148 ✓		
	5.649		.149 ✓			5.212		.147 ✓		
	5.500		.301 ✓			5.065		.295 ✓		
4	16.950	5.650		1.203		15.637	5.212		1.201	
	5.089		.149 ✓			5.169		.151 ✓		
	4.940		.149 ✓			5.018		.151 ✓		
	4.791		.298 ✓			4.867		.302 ✓		
5	14.820	4.940		1.501 ✓		15.054	5.018		1.503 ✓	
		24.751 ✓					24.810 ✓			

F.B. 1396 P.G. 437

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: F. E. Brooks
Weather: Overcast
Time: 9:10 – 9:15
Inst. No.: [illegible]
Rod No.: [illegible]

Name: L.A. Co. Precise Level Net
Job No.: [illegible]
From: [illegible] To: [illegible]
Date: 19 Oct 1961
Indexed: H. E. OTT

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
	5.720	5.751	.165	1.501		5.302	5.310	.164	1.503	
	5.555		.165			5.138		.166		
	5.390		.330			4.972		.330		
6	11.665	5.555		1.831		15.412	5.137		1.833	
	4.649		.187			2.263		.187		
	4.462		.189			2.082		.184		
	4.273		.376			1.898		.371		
7	13.384	4.461		2.207		6.243	2.083		2.204	
	7.474		.065			1.100		.069		
	7.409		.066			1.031		.068		
	7.343		.131			0.963		.137		
8	22.226	7.409		2.338		3.094	1.031		2.341	
	9.178		.059			0.910		.059		
	9.119		.059			0.851		.057		
	9.060		.118			0.794		.116		
9	27.357	9.119		2.456		2.555	0.852		2.457	
	9.382		.059			0.809		.059		
	9.323		.059			0.750		.060		
	9.264		.118			0.690		.119		
10	27.969	9.323		2.574		2.249	0.750		2.576	
	60.618					24.163				

F.B. 132 P.G. 235

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No.
Notes by F. E. Brooks Time 9:10-9:56 Rod No.

L.A. Co. Precise Level Net
Name
Job No.
From BM 30-8 To BM 30-9
Date 19 Oct 961
Indexed H. E. OTT

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	9.078	9.018	.059	2.514		1.500	1.439	.061	2.516	
	9.019		.059			1.439		.061		
	8.960		[illegible]			1.313		.122		
	17.057	9.019		2.692		4.317	1.439		2.698	
12	8.635		.075			2.148		.076		Summation of Run
	8.560		.0731			2.072		.075		From B.M. 30-8
	8.487		.148			1.997		.151		To B.M. 30-9
	16.122	8.561		2.340		6.217	2.072		2.949	
13	6.129		.035			4.441		.038		BM 30-9
	6.094		.035			4.403		.037		Vacated Anaheim Rd and Vacated
	6.059		.040			4.366		.075		Palo Verde Ave
	18.282	6.094		2.910		13.210	4.403		2.924	See F.B. 1336-14
										Total Backsights = + 84.292
										Total Foresights = − 42.579
										Diff. Elev. = +41.713
										Backsight stadia = 2.910
										Foresight Stadia = 2.924
										Total Stadia = 5.834
										= .37 mi.
	84.292					42.579				

F.B. 1336 P.G. 239

76P526-CE 379---10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by WORKMAN Time 11:15 11:55 Rod No. 19920

Name L.A. Co. Precise Level Net
Job No. 03C1C2
From BM 30-9 To BM 30-8
Date Oct. 20, 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.362		.037		#19 70°	6.053		.036		BM 30-9
	4.325		.037			6.017		.036		Vacated Anaheim Rd and
	4.288		.074			5.981		.072		Vacated Palo Verde Ave
	12.975	4.325		.074		18.051	6.017		.072	see F.B. 1396-14
2	2.043		.076			8.528		.074		π Martinez
	1.967		.076			8.454		.074		
	1.891		.152			8.380		.148		
	5.901	1.967		.226		25.362	8.454		.220	
3	1.244		.060			8.821		.058		
	1.184		.060			8.763		.059		
	1.124		.120			8.704		.117		
	3.552	1.184		.346		26.288	8.762		.337	
4	0.663		.060			9.239		.059		
	0.603		.058			9.180		.060		
	0.545		.118			9.120		.119		
	1.811	0.603		.464		27.539	9.179		.456	
5	0.977		.056			9.250		.062		
	0.921		.055			9.188		.062		
	0.866		.111			9.126		.124		
	2.764	0.921		.575		27.564	9.188		.580	
		9.000					4.600			

F.B. 1396 P.G. 240

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. [illegible]
Notes by [illegible] Time 11:15 11:55 Rod No. [illegible]

Name E.A. Co. Precise Level Net
Job No. [illegible]
From BM30-9 To BM30-8
Date Oct. 20, 1961
Indexed H. E. OTT

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	0.878	9.000	.068	.575	#19 70°	7.251	41.600	.066	.580	
	0.810		.068			7.185		.065		
	0.742		.136			7.120		.131		
	2.430	0.810		.711		21.556	7.185		.711	
7	2.212		.184			4.595		.190		
	2.028		.186			4.405		.186		
	1.842		.370			4.219		.376		
	6.082	2.027		1.081		13.219	4.406		1.087	
8	4.849		.167			5.264		.164		
	4.682		.163			5.100		.166		
	4.519		.330			4.934		.330		
	14.050	4.683		1.411		15.298	5.099		1.417	
9	5.101		.151			5.019		.149		
	4.950		.151			4.870		.148		
	4.799		.302			4.722		.297		
	14.850	4.950		1.713		14.611	4.870		1.714	
10	5.309		.148			57.51		.151		
	5.161		.146			5.600		.150		
	5.015		.294			5.450		.301		
	15.485	5.161		2.007		16.801	5.600		2.015	
		26.63					68.76			

F.B. 396 P.G. 241

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brock Weather Overcast Inst. No. 15066
Notes by Workman Time 11:15 11:55 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. C301.02
From BM 30-9 To BM 30-8
Date Oct. 20, 1961
Indexed H. E. Ott

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	4.846	26.63	.152	2.007	#19 70°	4.529	68.76	.148	2.015	
	4.694		.152			4.381		.148		
	4.542		.304			4.233		.296		
	14.082	4.694		2.311		13.143	4.381		2.311	
12	5.008		.155			4.426		.151		Summation of Run From B.M. 30-9 To B.M. 30-8
	4.853		.151			4.275		.151		
	4.702		.306			4.124		.302		
	14.563	4.854		2.617		12.825	4.275		2.613	
13	5.017		.153			5.487		.150		BM 30-8 Anaheim Rd 0.15 mi W. of Palo Verde Ave See F.B. 1396-13
	4.864		.153			5.337		.149		
	4.711		.306			5.188		.299		
	14.592	4.864		2.923		16.012	5.337		2.912	
										Total Backsights = +41.046 Total Foresights = −82.756 Diff. Elev. = −41.710
										Backsight stadia = 2.923 Foresight Stadia = 2.912 Total Stadia = 5.835 d = .37 mi
		41.046					82.756			

F.B. 1396 P.G. 242

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by Workman Time 10:00 10:45 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-9 To BM 30-10A
Date Oct. 19, 1961
Indexed H. E. OD

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
	4702		038		#19	6390		036		BM 30-9
	4664		037		72°	6354		035		ON [illegible] COR. OF [illegible]
	4627		075			6319		071		ANA[illegible] [illegible] BANO VERDE
	13993	4664		075		19063	6354		071	AVE. [illegible] 396-14
	2306		077			8792		075		T Barlotti
	2229		075			8717		073		
	2154		152			8644		148		
2	6689	2229		227		26153	8717		219	
	1622		060			9201		060		
	1562		060			9141		059		
	1502		120			9082		119		
3	4686	1562		347		27424	9141		338	
	0904		060			9478		059		
	0844		060			9419		057		
	0784		120			9362		116		
4	2532	0844		467		28259	9419		454	
	1372		053			9646		063		
	1319		056			9583		062		
	1263		109			9521		125		
5	3954	1318		576		28750	9583		579	
		10617					43214			

F.B. 1396 P.G. 243

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. [illegible]
Notes by Workman Time 10:00 10:45 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. [illegible]
From Bm 30-9 To Bm 30-10A
Date Oct. 19, 1961
Indexed H. E. OTT

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	1291	1061~~7~~ 8	068	576	#19	7667	4321~~4~~ 6	067	579	
	1223		066		72°	7600		067		
	1157		134			7533		134		
	3671	1223		710		22800	7600		713	
7	2583		186			4962		186		
	2397		186			4776		187		
	2211		372			4589		373		
	7191	2397		1082		14327	4775		1086	
8	4882		184			5532		185		
	4698		185			5347		186		
	4513		369			5161		371		
	14093	4697		1451		16040	5346		1457	
9	5143		185			5024		186		
	4958		183			4838		184		
	4775		368			4654		370		
	14876	4958		1819		14516	4838		1827	
10	5034		182			5517		182		
	4852		183			5335		182		
	4669		365			5153		364		
	14555	4851		2184		16005	5335		2191	
		28743					71108			

F.B. 1396 P.G. 244

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: Workman Time: 10:00 10:45 Rod No. [illegible]

L.A. Co. Precise Level Net
Name: —
Job No. [illegible]
From: Bm 30-9 To: Bm 30-10A
Date: Oct 19 1961
Indexed: H. E. OTT

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	5276	28745	185	2184	#19	5555	71108	185	2191	
	5091		186		72°	5370		184		
	4905		371			5186		369		
	15272	5090		2555		16111	5370		2560	
12	5437		185			5657		186		
	5252		183			5471		187		
	5069		368			5284		373		
	15758	5252		2923		16412	5470		2933	
13	5553		189			5640		184		
	5364		187			5456		184		
	5177		376			5272		368		
	16094	5364		3299		16368	5456		3301	
14	5303		186			5349		190		
	5117		185			5159		187		
	4932		371			4972		377		
	15352	5117		3670		15480	5160		3678	
15	6496		188			5355		180		
	6308		185			5175		180		
	6123		373			4995		360		
	18927	6309		3043		15525	5175		3038	
	55875					97739				

F.B. 172 P.G. 244

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. [illegible]
Notes by Workman Time 10:00 10:45 Rod No. [illegible]

Name L.A. Co. Precise Level Net
Job No. [illegible]
From BM 30-9 To BM 30-10A
Date Oct. 19, 1961
Indexed M. E. on

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
	5547 5587	81	142	3043	#19	5847 5797	39	139	3038	
16	5405		141		74°	5708		139		
	5264		283			5569		278		
	16216 5405			3326		17124 5708			3316	
										BM 30-10A Anaheim Rd and Studebaker Rd. S.W. Cor. See F.B. 1396-171
										Summation of Run From B.M. 30-9 To B.M. 30-10A
										Total Backsights = +6128 6 Total Foresights = −10344 52 Diff. Elev. = −4216 46
										Backsight stadia = 3326 Foresight Stadia = 3316 Total Stadia = 6642
	6128 6					10344 52				d = .55 mi

F.B. 1396 PG. 246

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 10:35 – 11:15 Rod No. 19420

Name E.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-10A To BM 30-9
Date 20 Oct 1961
Indexed H. E. OTT

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	5.150 5.011 4.872 15.033	5.011	.139 .139 .278	278	#19 70°	4.848 4.710 4.573 14.131	4.710	.138 .137 .275	275	BM-30-10A Anaheim Rd and Stroeplaster Rd. S.W. Cor. See F.B. 1396-171
2	5.257 5.076 4.894 15.227	5.076	.181 .182 .363	641		6.466 6.279 6.094 18.839	6.280	.187 .185 .372	647	T Barilotti
3	5.268 5.078 4.892 15.238	5.079	.190 .186 .376	1,017		5.151 4.964 4.778 14.893	4.964	.187 .186 .373	1020	
4	5.601 5.415 5.231 16.247	5.416	.186 .184 .370	1,387		5.511 5.323 5.137 15.971	5.324	.188 .186 .374	1,394	
5	5.498 5.312 5.127 15.937	5.312	.186 .185 .371	1,758		5.277 5.093 4.908 15.278	5.093	.184 .185 .369	1763	
		25.894					26.371			

F.B. 1396 P.G. 241

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. [illegible]
Notes by F. E. Brooks Time 10:35 – [illegible] Rod No. 19920

Name LA. Co. Precise Level Net
Job No. C3C[illegible]
From BM 30-10A To BM 30-9
Date 20 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.413	25.894	.185	1.758		5.137	26.371	.187	1.763	
	5.228		.181			4.950		.184		
	5.047		.366			4.766		.371		
	15.688	5.229		2.124		14.853	4.951		2.134	
7	5.441		.183			4.960		.183		
	5.258		.181			4.777		.182		
	5.077		.364			4.595		.365		
	15.776	5.259		2.488		14.332	4.777		2.499	
8	4.977		.184			5.097		.185		
	4.793		.185			4.912		.185		
	4.608		.369			4.727		.370		
	14.378	4.793		2.857		14.736	4.912		2.869	
9	5.422		.185			4.772		.184		
	5.237		.184			4.588		.186		
	5.053		.369			4.402		.370		
	15.712	5.237		3.226		13.762	4.587		3.239	
10	4.792		.188			2.411		.186		
	4.604		.187			2.225		.185		
	4.417		.375			2.040		.371		
	13.813	4.604		3.601		6.676	2.225		3.610	
		51.016					44.82			

F.B. 1396 P.G. 248

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Overcast Inst. No. 15066
Notes by E. E. Brooks Time 10:35 – 11:15 Rod No. 19 & 20

Name L. A. Co. Precise Level Net
Job No. 0301.02
From BM 30-10A To BM 30-9
Date 20 Oct 1961
Indexed H. E. OTT

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	7.559	51.016	.066	3.601		1.184	47.823	.067	3610	
	7.493		.066			1.117		.067		
	7.427		.132			1.050		.134		
	22.479	7.493		3.733		3.351	1.117		3.744	
12	9.103		.058			0.837		.059		
	9.045		.059			0.778		.059		
	8.986		.117			0.719		.118		
	27.134	9.045		3.850		2.334	0.778		3.862	
13	9.462		.059			0.888		.060		
	9.403		.056			0.828		.060		
	9.347		.115			0.768		.120		
	28.212	9.404		3.965		2.484	0.828		3.982	
14	9.124		.057			1.548		.060		
	9.067		.059			1.488		.060		
	9.008		.116			1.428		.120		
	27.199	9.066		4.081		4.464	1.488		4.102	
15	8.859		.078			2.368		.074		
	8.781		.078			2.294		.072		
	8.703		.156			2.222		.146		
	26.343	8.781		4.237		6.884	2.295		4.240	
		94.805					54.330			

F.B. 1396 P.G. 249

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: F. E. Brooks
Weather: Overcast
Time: 10:35 - 11:05
Inst. No.: 15066
Rod No.: 19 & 20

Name: L. A. Co. Precise Level Net
Job No.: 0301.02
From: Bm 30-10A To: Bm 30-9
Date: 20 Oct 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	6.228 6.190 6.155 18.573	94.805 6.191	.038 .035 .073	4.237 4.310	#19 70°	4.537 4.500 4.462 13.499	64.32 4.500	.037 .038 .075	4.248 4.323	BM 30-9 Vacated Avenue Rd and Palo Verde Ave N. E. Cor. See FB. 1336-14
										Summation of Run From B.M. 30-10A To B.M. 30-9
										Total Backsights = + 100.996 Total Foresights = − 58.829 Diff. Elev. = + 42.167
										Backsight stadia = 4.310 Foresight Stadia = 4.323 Total Stadia = 8.633 = .55
	100.996					58.829				Cont. In FB. 2866-5

F.B. 1396 P.G. 250

Notes Ck'd by	Survey of	F. B.	PG.
Map No.	JN Tape Std °F		
Office Work	Surveyed by		
Checked	Notes Date		
Date	Indexed		

Notes of line No 30
are continued To F.B. 2866 pg 5

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
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763095 CE #247 7-53

F. B. _____ PG. _____

LOS A
700 Los An