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

LOS ANGELES COUNTY SURVEYOR

Making Change

696

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

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E. B. _____ PG. _____

Notes Ck'd by	Survey of City of Compton	F.B. 696 Pg. 7
Map No.	W. O. 4913 Tape No. 064 St'd 84 °F.	
Office Work	Surveyed by Butler	
Checked	Notes Date 1/37	
Date	Indexed A. C. Johnson 2-18-37	

J.N. 4913

SURVEY CONTROL SYSTEM

CITY of COMPTON

[illegible]

Description of Station

Butler
[illegible]
Grayson
Reynolds
Moser

[illegible] Begun 12/28/36
[illegible] 2/37
[illegible]
of Albert S. Gidlow City Engr.
[illegible]

For index to stations
See next pg.

Long Beach P. 71

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 8

INDEX to STATIONS

No.	Name	Sketch	Description
1	Compton L-3	Pg. 9	Pg. 10
2	" G-1	" 11	" 12
3	Watts J-12	" 13	" 14
4	Compton L-1	" 15	" 16
5	" I-2	" 25+27	" 28
6	Dominguez #1, Ecc #2	" 31	None
7	Watts H-10	" 33+35	" 34
8	BELL C-11	" 39	" 40
9	Clearwater C-3	" 43	" 44
10	Watts C-10	" 45	" 46
11	Denker	" 47-None	None
12	Watts G-8	" 49-50	" 57

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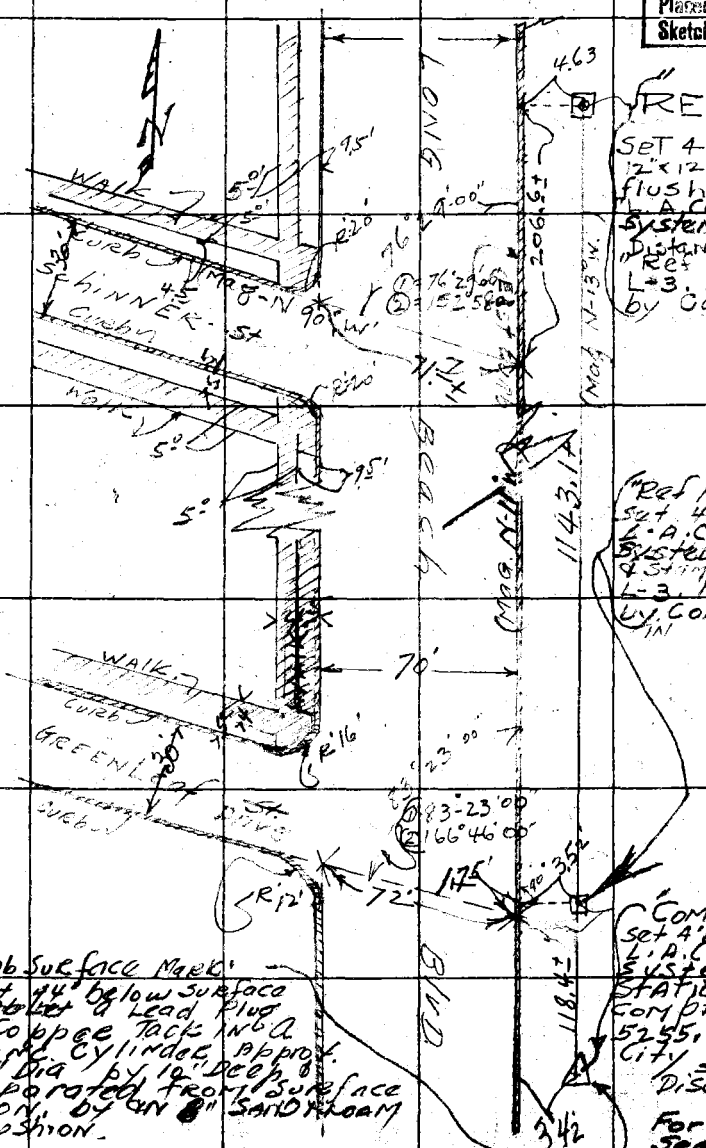
Notes Ck'd by	Survey of City of Compton	F.B. 696 Pg. 9
Map No.	W. O. 4913 Tab No. 064 St'd °F.	W.S. 32 ✓
Office Work	Surveyed by Butler, SE	
Checked	Notes Granquist Date 1-22-37	
Date	Indexed A. O. Johnson	

L.A. County Survey Control Triangulation Station "Compton L-3"

Noted on Gen. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W. S. No.
Sketch on Geo. Desc. Card



"REF. MARK No 1"
Set 4" Brass Tablet in 12"x12"x36" Conc. post flush with Grd. Marked L.A. County Survey Control System. Reference Mark Distance & Stamped: "Ref Mark #1 Compton L-3. 1937. R.E. 5255, set by Compton City Engr.

In Concrete
"Ref Mark No 1-A" Set 4" brass tablet Mark L.A. Co. Survey Control System Ref. Mark, Dist & Stamped No 1-A Compton L-3. 1937. R.E. 5255, set by Compton City Engr.

In 12"x12" Conc. Post Flush
"Compton L-3" Set 4" brass tablet; Marked L.A. Co. Survey Control System Triangulation Station & Stamped, Compton L-3. 1937. R.E. 5255, & set by Compton City Engr. see next pg for Discription.

Sub Surface Mark: Set 44" below surface Tablet & Lead Plug & Copper Tack in a Conc. Cylinder approx. 16" Dia by 10" Deep & separated from surface Mon. by an 8" Sand Loam Cushion.

For Compton L3 Ecc. See F.B. 923 & 27

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 10

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION COMPTON L-3.

IN L.A. CO., SO. of SOUTH BOUNDRY of CITY OF COMPTON. SOUTHEAST of INTERSECT of GREENLEAF ~~ST~~ DRIVE LONG BEACH BLVD.

DRIVE 116'± SO of SO. CURB LINE of GREENLEAF ~~ST~~ PROD. EAST
3.42' EAST of EAST CURB of LONG BEACH BLVD.

Sub Surface Mark:
Set 44" below surface Tablet a. Lead Bag & Copper Tack in a Conc. Cylinder Approx. 6" in Dia by 10" deep AND separated by an 8" Sand & Loam Cushion.

Surface Mark:
Set A br. Tablet in Conc. flush with Grd surface Marked: "L. A. COUNTY SURVEY CONTROL SYSTEM. - TRI - ANGULATION STATION" and stamped: Compton L-3, 1937 R.E. 5255. Set by Compton City Engr.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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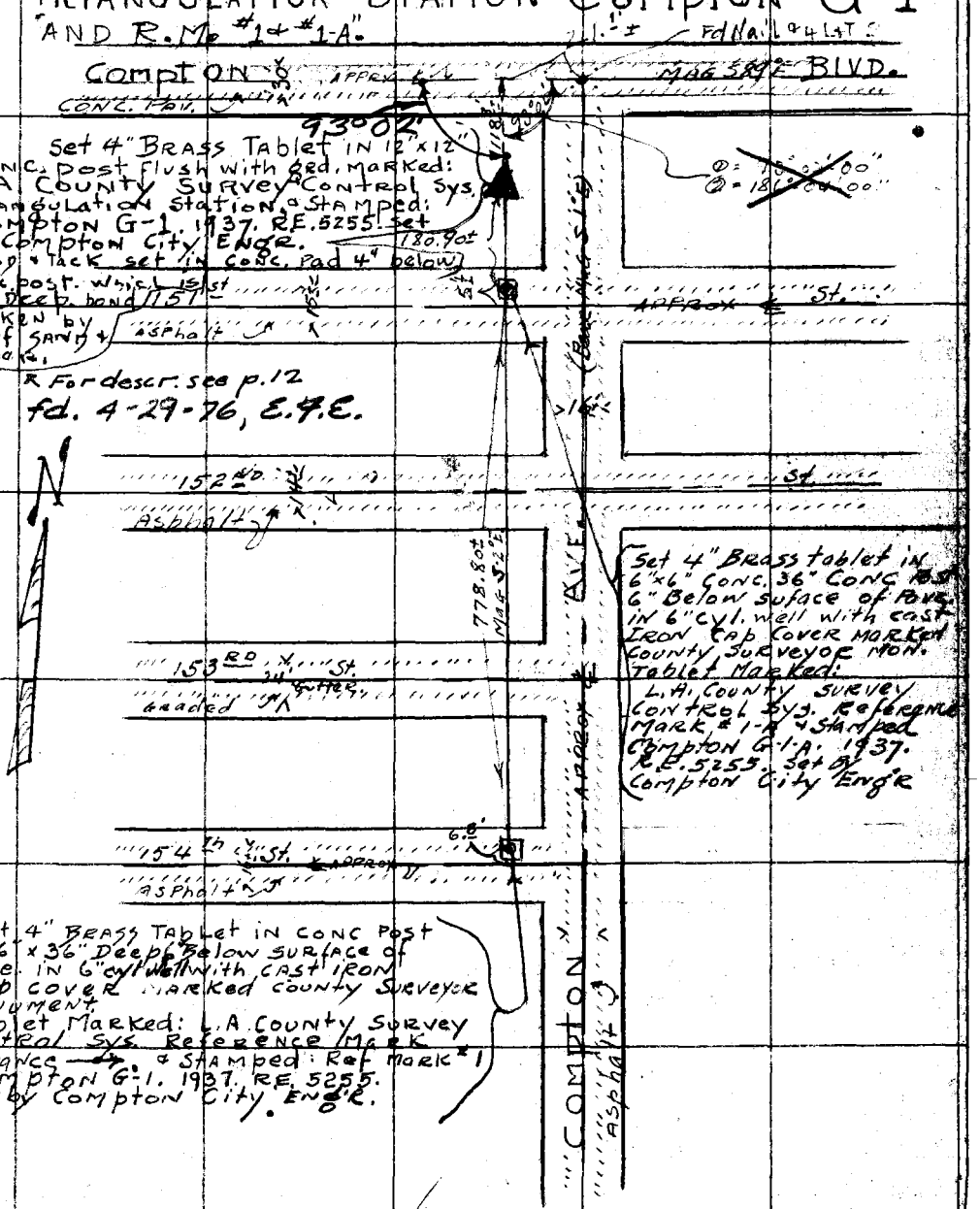
Notes Ck'd by	Survey of City of Compton	F.B. 676 Pg. 11
Map No.	W. O. 4413 Tape No. 134 Std. °F.	W.S. 26
Office Work	Surveyed by Butler S.E.	Noted on Geo. Index Card
Checked	Notes GRANQUIST Date 1-11-37	Placed on U.S.G.S. Quad. Shts.
Date	Indexed A. C. Johnson	Placed on Sur. Div. W.S. No.
		Sketch on Geo. Index Card

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION-"COMPTON-G-1"
"AND R.M. #1 & #1-A".



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 12

1/4 mi West of

L.A. County Survey Control

Triangulation Station "Compton G-1"

In L.A. County, 1/4 mi. W. of west side of city of Compton. S.W. of Compton Blvd and Compton Ave.

118.50 ± Intersection of Compton Ave. and Compton Blvd. and 21 ± West.

Surface Mark:-

Set a 4" Brass Tablet in 12" x 12" x 36" Deep, Conc. post Flush with surface of Grd. Marked: "L.A. County Survey Control System - Triangulation Station." and Stamped "Compton - G-1. 1937. R.E. 5255." set By. "Compton City Engr."

Sub-Surface Mark: set 44" below surface Tablet a Lead plug & copper Tack in a concrete Cylinder Approx. 16" in Dia. by 10" Deep and separated from Surface Monument by an 8" sand & Loam Cushion.

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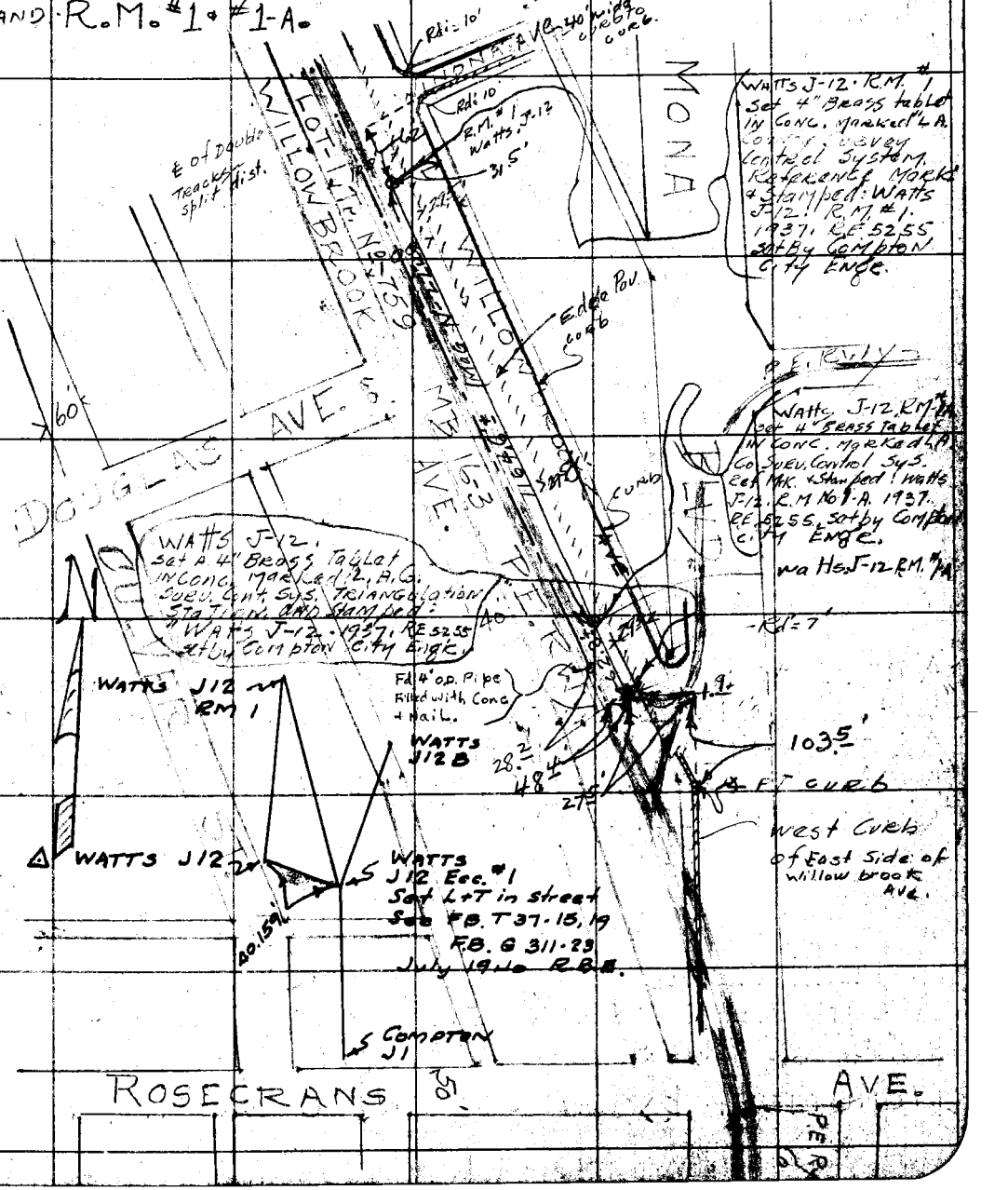
Map No.	W. O. 4913 Tape No. 064 St'd °F.	W.S. 26
Office Work	Surveyed by Buffer, SE	Noted on Geo. Index Card
Checked	Notes GRANQUIST Date 1-21-37	Placed on U.S.G.S. Quad. Shts.
Date	Indexed A. C. Johnson	Placed on Div. W.S. No.
		Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION "WATTS J-12" AND R.M. #1 & #1-A.



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RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 14

L.A. COUNTY SURVEY CONTROL. TRIANGULATION STATION. "WATTS-J-12".

IN L.A. Co., CITY OF COMPTON. ON EAST SIDE OF PACIFIC ELECTRIC R. OF W. N.W. COR. OF INTERSECTION OF WILLOWBROOK AVE. WITH MONA AVE.

27.5' west, of west curb of East Barrel of WILMINGTON AVE prod. North. and 103.5' North of ℄ IN SAME CURB. OR

28.2' So of E.C. & PERRM. P.E. Elect. Ry & 48.4' East of ℄ of P.E. Ry R/W.

SURFACE MARK:- Set a 4" brass Tablet in a 12"x12"x36" CONCRETE POST FLUSH WITH Grd. MARKED: L.A. COUNTY SURVEY CONTROL SYSTEM-TRIANGULATION STATION" AND STAMPED, "WATTS J-12. 1936, R.E. 5255, AND SET BY "COMPTON CITY ENG'R."

SUB-SURFACE MARK:- SET 44" below SURFACE Tablet A LEAD PLUG & COPPER TACK IN A CONCRETE CYLINDER APPROX 16" IN DIA. BY 10" Deep AND SEPARATED FROM SURFACE MONUMENT BY AN 8" SAND CUSHION.

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

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Checked	
Date	

Survey of	City of Compton
W. O.	49/3 Tape No. 264 St'd °F.
Surveyed by	Butler, SE
Notes	FRANQUIST Date 1-22-37
Indexed	A. C. Johnson

F.B. 696 Pg. 15

W.S. 32 ✓

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RETURN TO
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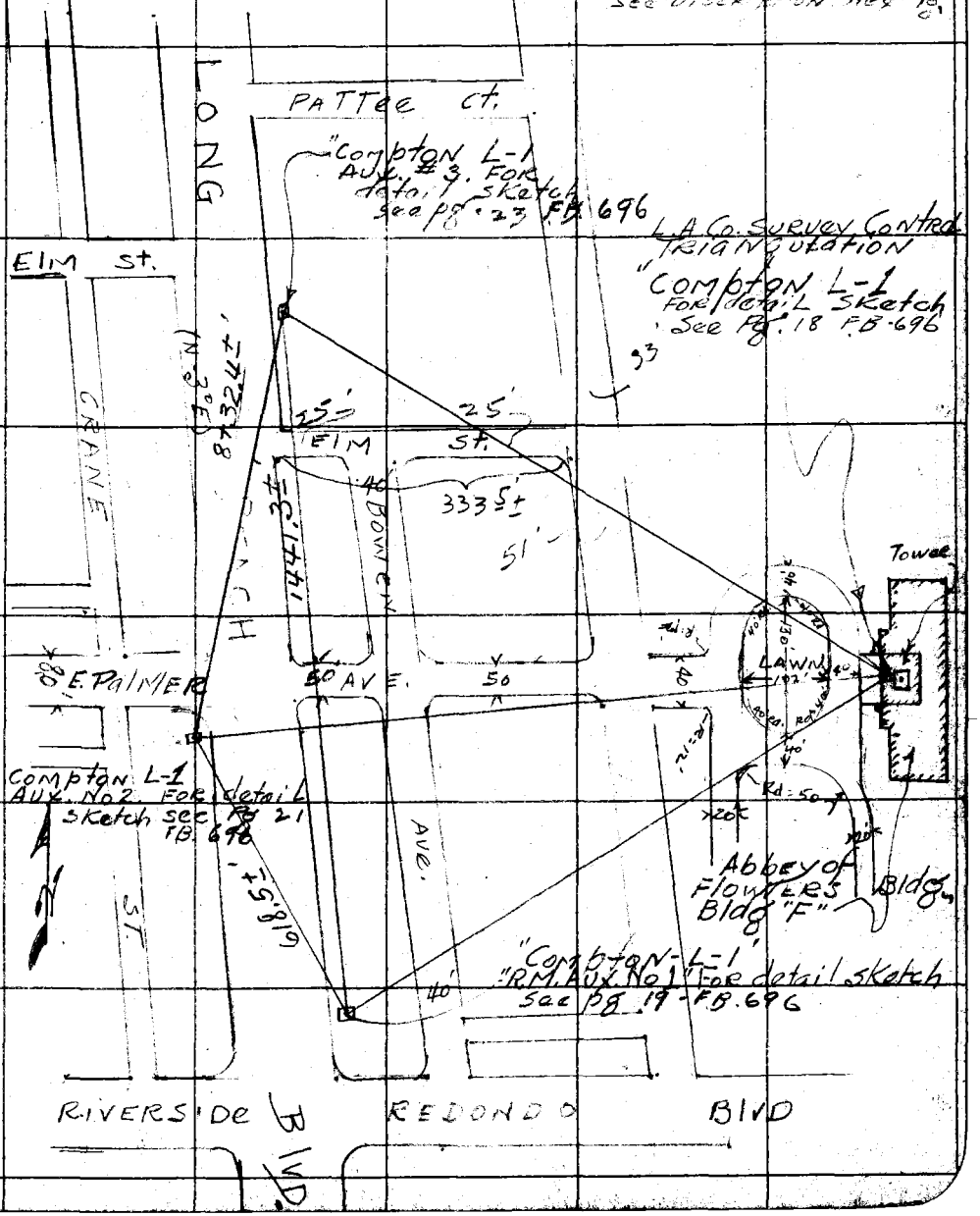
700 HALL OF RECORDS

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION, "COMPTON-L-1 AND - "AUX. No 1-2+3"

See Description Next Page



FORM 247 10M 11-35

F.B. 696 Pg. 16

L.A. County Survey Control

Triangulation Station "Compton L-1 and Auxiliary Stations No 1, No 2, and No 3.

In L.A. Co. in City of Compton, near intersection Long Beach Blvd & Compton Blvd. on N.W. Cor. of Tower Roof of "Bldg F" Abbey of Flowers." of Angeles Abbey Mausoleum

7.8' from inside Edge of North wall.
2.4' from inside Edge of West wall.
Tower Roof is Approx. 55 ft above Grd. Level. (See detail Sketch Pg 18 F.B. 696)

For Detail Sketch of Aux No 1 see F.B. 696 Pg 19
For Detail Sketch of Compton L-1-Aux #2: See F.B. 696-Pg 21
For Detail Sketch of Compton L-1 Aux. #3. See F.B. 696 Pg 23

Surface Mark:

Set A 4" Brass Tablet in Conc. Tower Roof. Marked: L.A. County Survey Control System. Triangulation Station" and Stamped Compton L-1 ,,1937, R.E. 5255. and Set By Compton City Eng'r.

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Date	Indexed A. C. Johnson

F.B. 696 PG. 17

W.S. 32 ✓

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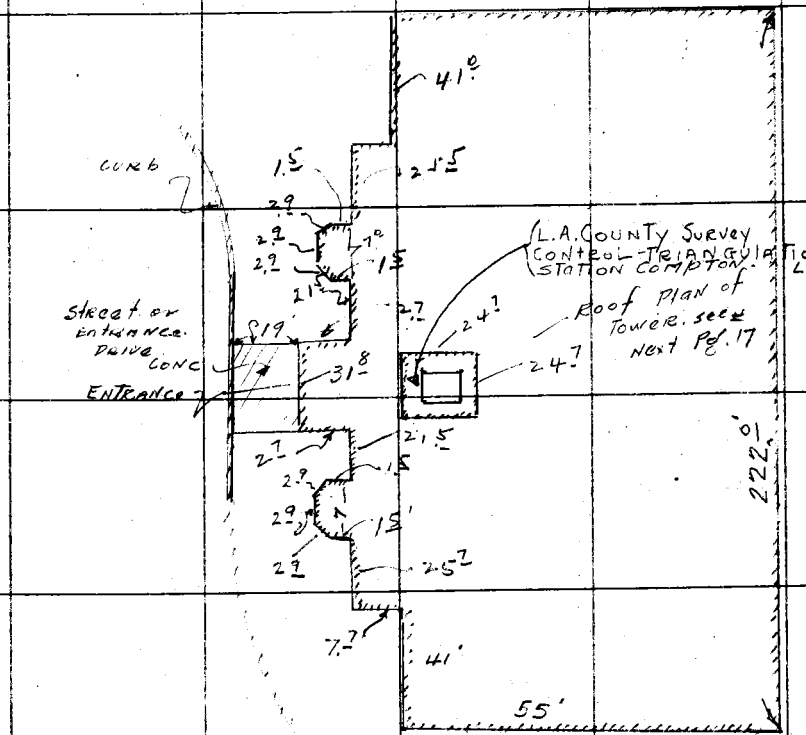
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card

L. A. COUNTY SURVEY CONTROL TRIANGULATION STATION. "COMPTON-L-1.

DETAIL SKETCH of Bldg. "F" Abbey of Flowers Grd LEVEL.



Note: Not to Scale)

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RETURN TO
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700 HALL OF RECORDS

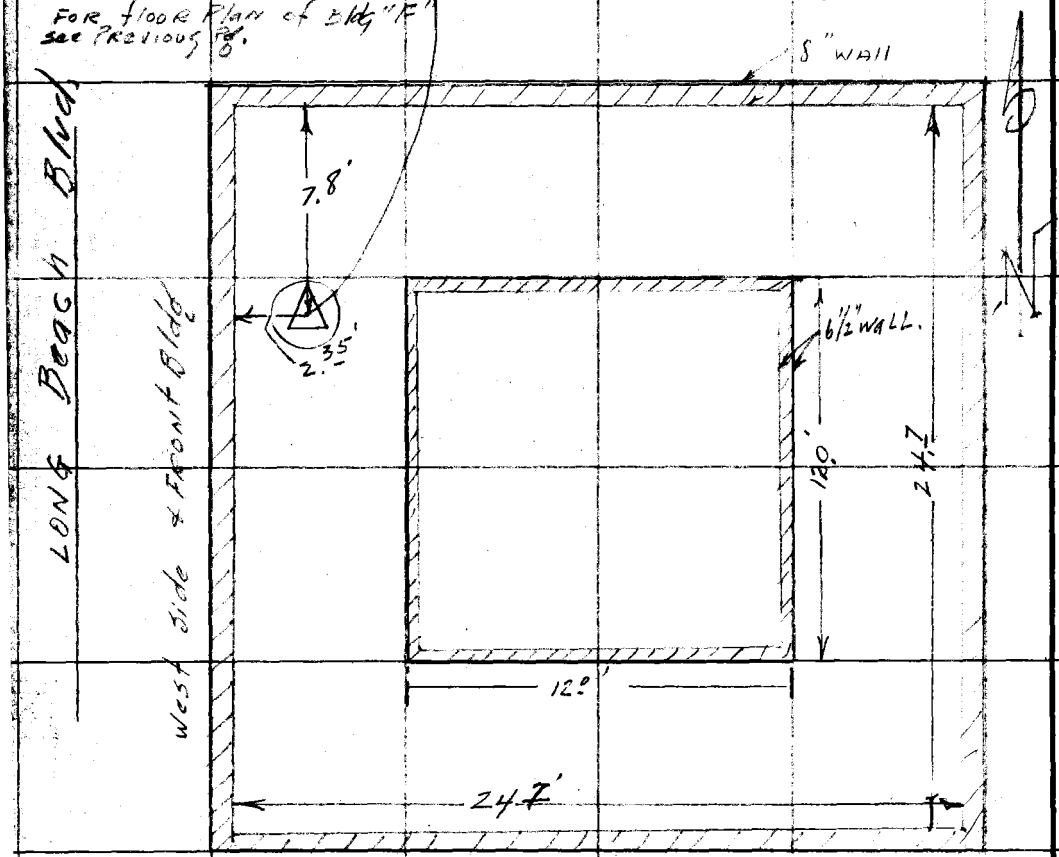
FORM 247 10M 11-35

F.B. 696 PG. 18

Detail Sketch of Roof. L.A. County
Survey Control.
Triangulation Station.
Compton L.1.

- Set A.4" Brass in Conc Tower Roof
- Marked "L.A. County Survey Control System Triangulation" & Stamped 1" Compton L-1 1937. R.E. 5255. and set by Compton City Engr.

For floor Plan of Bldg "F" see Previous Pg.



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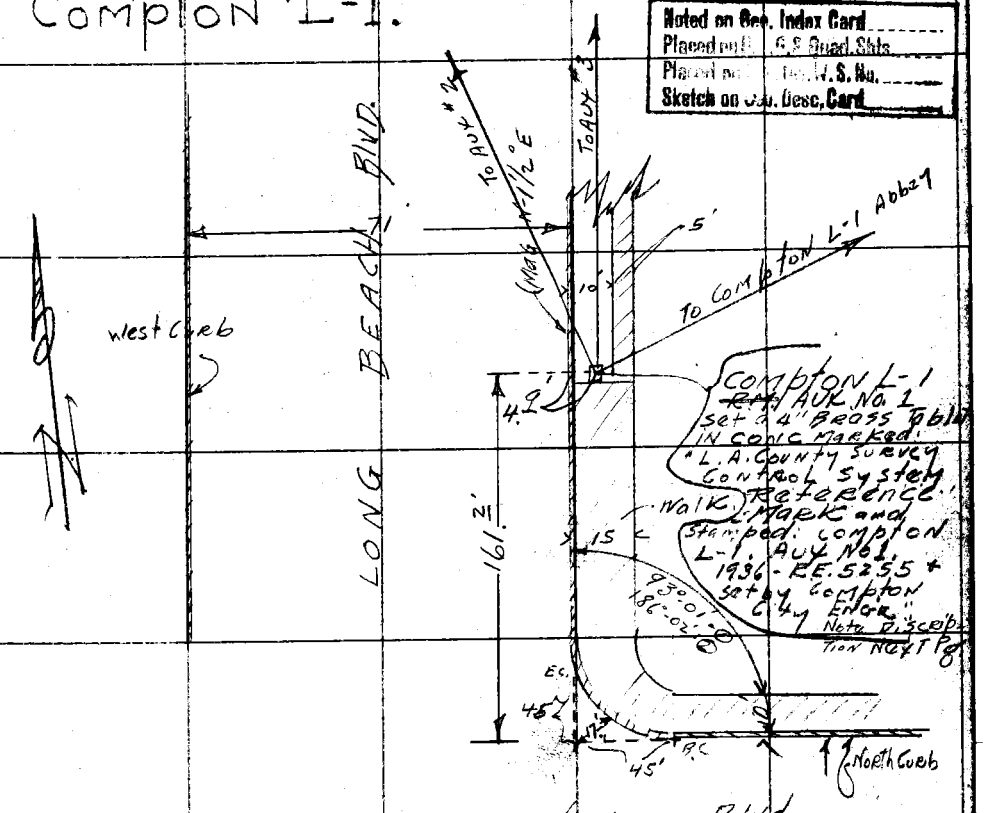
Checked	Notes GRANQUIST Date 2-9-37
Date	Indexed A. C. Johnson

F.B. 696 PG. 19

W.S. 32 ✓

L.A. COUNTY SURVEY CONTROL AUXILIARY STATION No 1. OF COMPTON L-1.

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on U.S. No.
Sketch on Geo. Desc. Card



For General Sketch
see Pg 15 - F.B. 696

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
7dO HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 20

L.A. County Survey Control
Auxiliary Station No 1 of
Compton L-1.

In L.A. Co., City of Compton.
N.E. cor of intersection of
Long Beach Blvd and Compton
Blvd.
161 ft ± North of North Curb of
Compton Blvd. and 4.2 ft E'ly of East
Curb of Long Beach Blvd.

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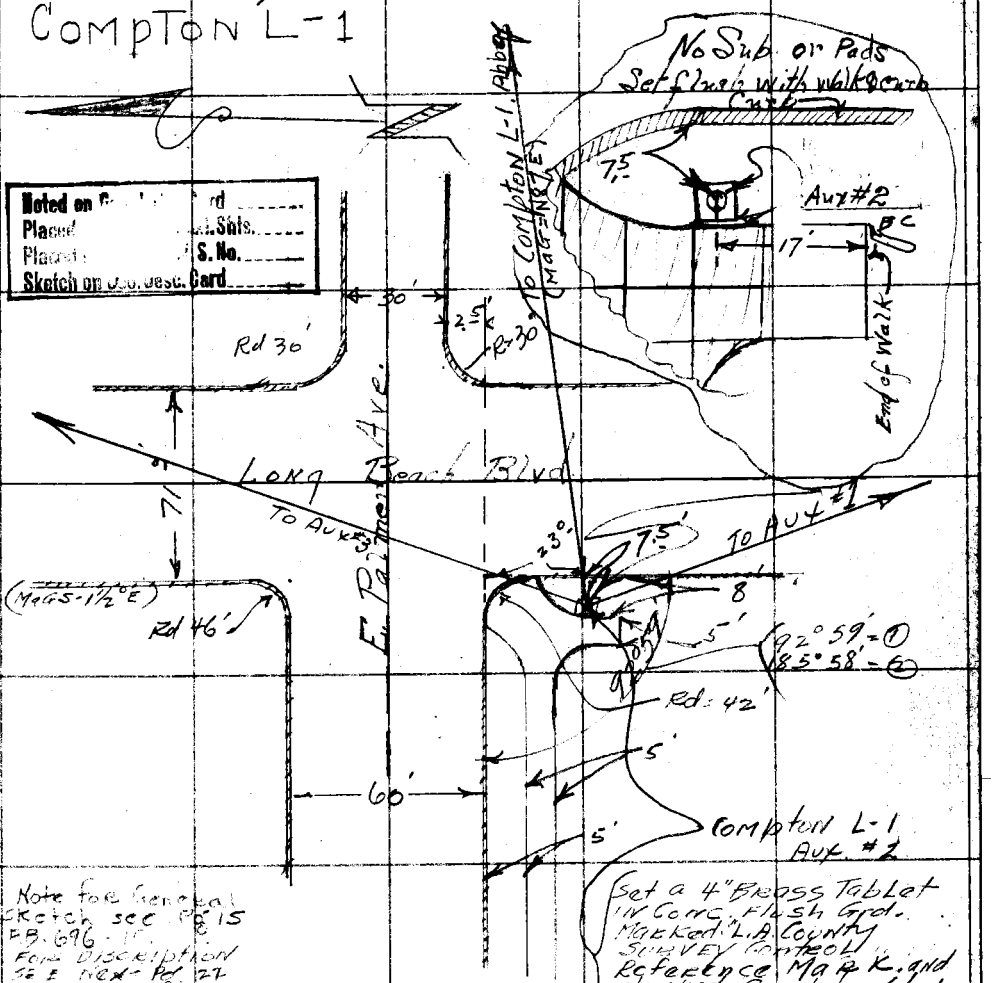
Notes Ck'd by	Survey of City of Compton	F.B. 696 Pg. 21
Map No.	W. O. 4913 Tape No. 064 St'd °F.	
Office Work	Surveyed by Butler SE.	W.S. 32 ✓
Checked	Notes DWR + HEG Date 2-9-37	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL AUXILIARY STATION No 2. OF COMPTON L-1



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Placed ... S. No.
Sketch on ... Card

Note for General Sketch see Pg 15 F.B. 696-15
For Discription see E Next Pg. 27

Set a 4" Brass Tablet in Conc. Flush Grd. Marked "L.A. County Survey Control" Reference Mark. and stamped, Compton L-1 Aux No 2 - 1937 - RE5255 and set By Compton City Engr.

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700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 22

L.A. COUNTY SURVEY CONTROL

AUXILIARY STATION No 2 OF COMPTON. L-1.

IN L.A. Co, CITY OF COMPTON.

S.W. COR. OF INTERSECTION OF LONG BEACH BLVD AND EAST PALMER AVE.

23 FT SOUTH OF SOUTH CURB OF EAST PALMER AVE. AND

7.5 FT WEST OF WEST CURB OF LONG BEACH BLVD.

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Checked	Notes Crandquist Date 2-9-37
Date	Indexed A. C. Johnson

F.B. 696 PG. 23

W.S. 32 ✓

L.A. COUNTY SURVEY CONTROL AUXILIARY STATION. No. 3. OF COMPTON L-1

Noted on Geo. Index Card
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Placed on Sys. Div. W.S. No.
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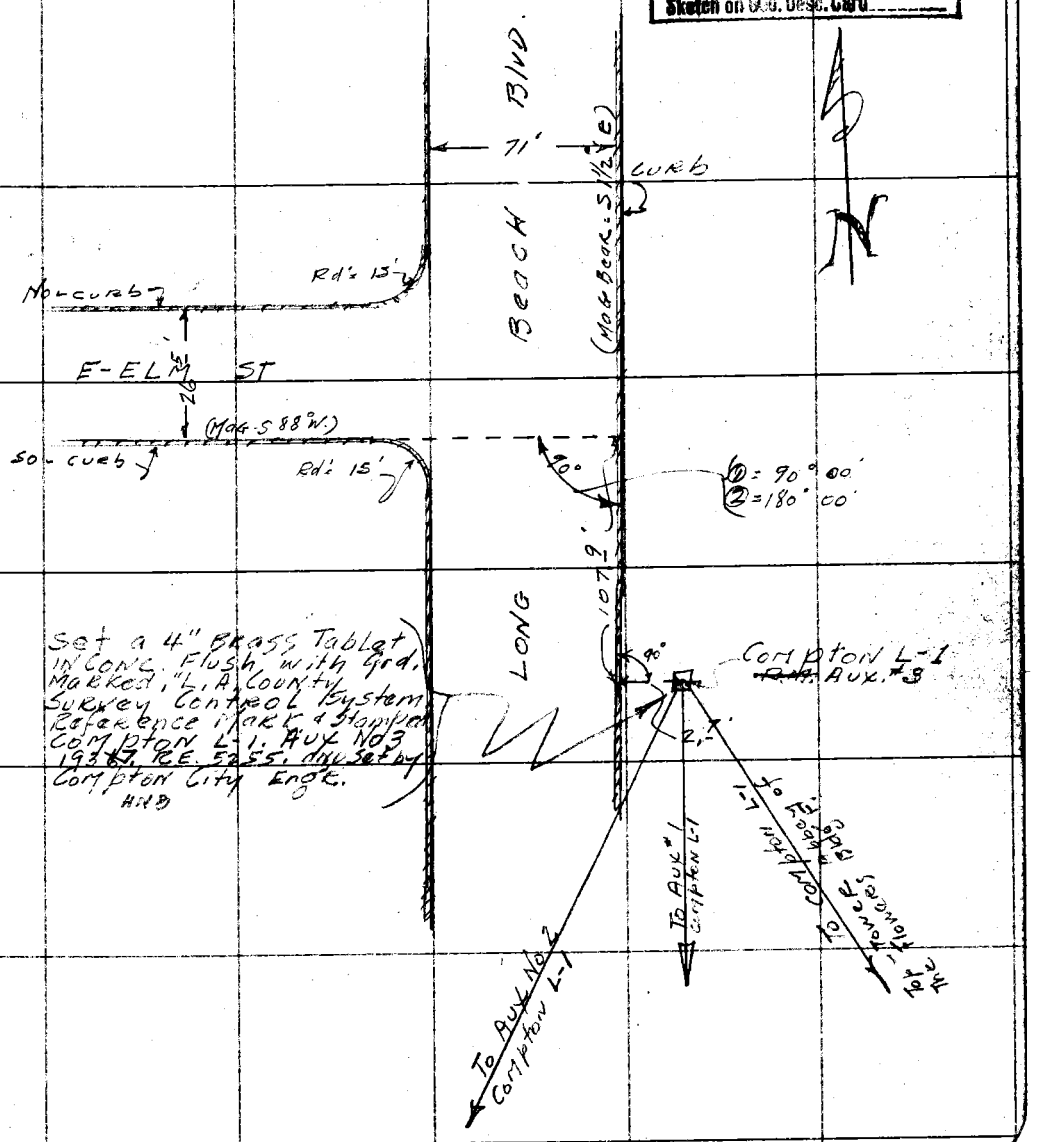
700 HALL OF RECORDS



FORM 247 10M 11-35

F.B. 696 PG. 24

L.A. COUNTY SURVEY CONTROL
AUXILIARY STATION No 3 OF
COMPTON L-1.

IN L.A. Co, CITY OF COMPTON
SO. EAST OF INTERSECTION OF
LONG BEACH BLVD AND EAST
ELM ST.

108± SO OF South Curb of
East ELM ST PROD. East AND
21' East of East Curb of Long
Beach Blvd.

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700 HALL OF RECORDS

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Map No.	W. O. 4913 Tape No. St'd °F.	W.S. 26
Office Work	Surveyed by Butler S.E.	
Checked	Notes Granquist H. Date 1-21-37	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION. "COMPTON I-2. AND AUX. No 1-2-3

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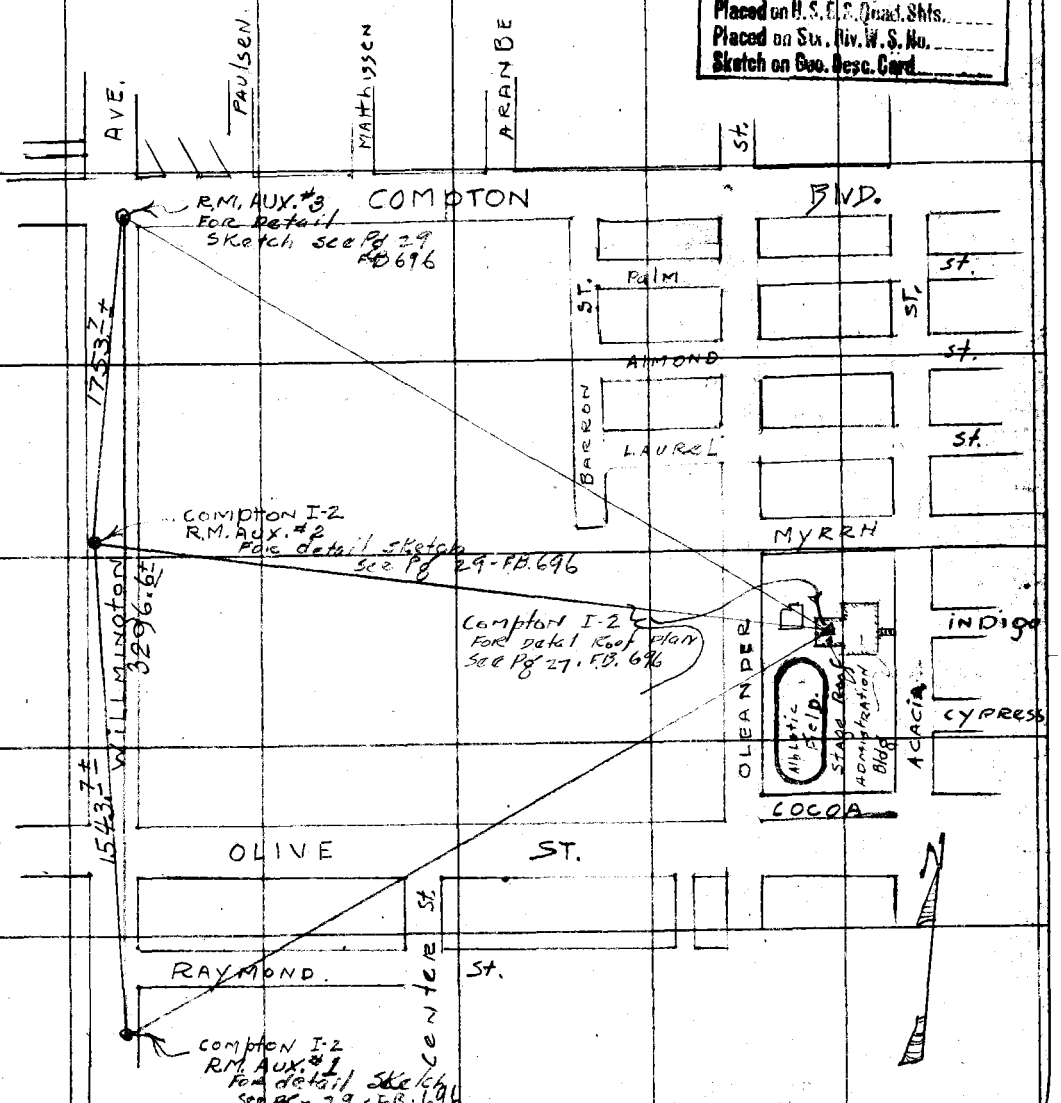
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card



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RETURN TO
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700 HALL OF RECORDS

FORM 247 10M 11-35

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F.B. 696 PG. 26

Notes Ck'd by	Survey of City of Compton
Map No.	W. O. 4913 Tape No. 064 St'd °F.
Office Work	Surveyed by Butler-SE
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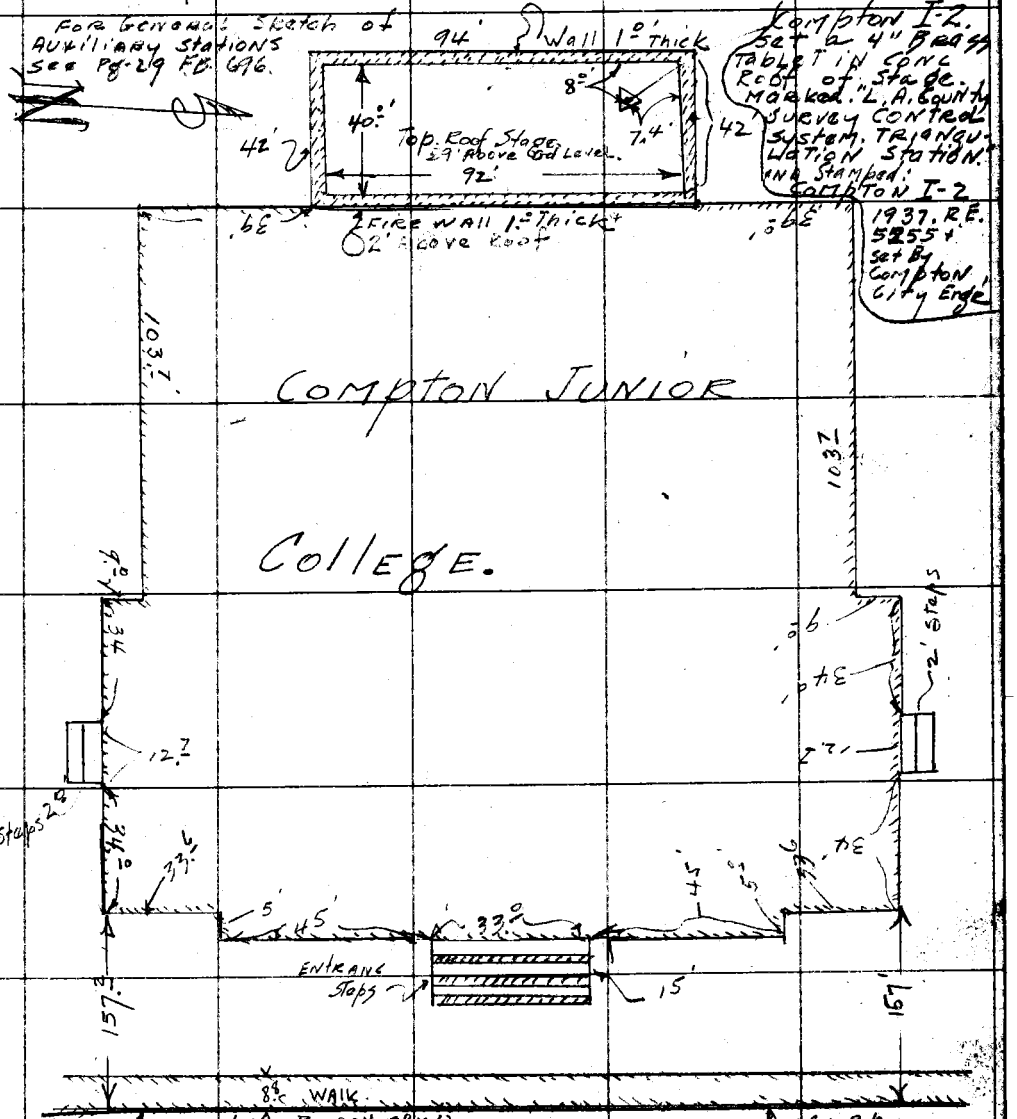
Date	A. C. Johnson
	Indexed

F.B. 696 PG. 27

W.S. 26 ✓

L. A. COUNTY SURVEY CONTROL TRIANGULATION STATION. COMPTON I-2.

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sht. Div. W.S. No.
Sketch on Geo. Desc. Card



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 28

L. A. COUNTY SURVEY CONTROL

TRIANGULATION STATION.

COMPTON-I-2.

IN L.A. Co., CITY of COMPTON.

ON ROOF of STAGE of AUDITORIUM Bldg. of COMPTON JUNIOR College. Located ACACIA ST. AND INDIGO ST.

SET A 4" BRASS Tablet IN Concrete Roof of Stage 7½' South of INSIDE face of North FIRE WALL. AND 8º' East of INSIDE FACE of WEST FIRE WALL. AND 59' ABOVE GROUND LEVEL.

TABLET MARKED:

"L. A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION. AND STAMPED: COMPTON I-2. 1937. RE. 5255. AND SET by COMPTON CITY ENGR.

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

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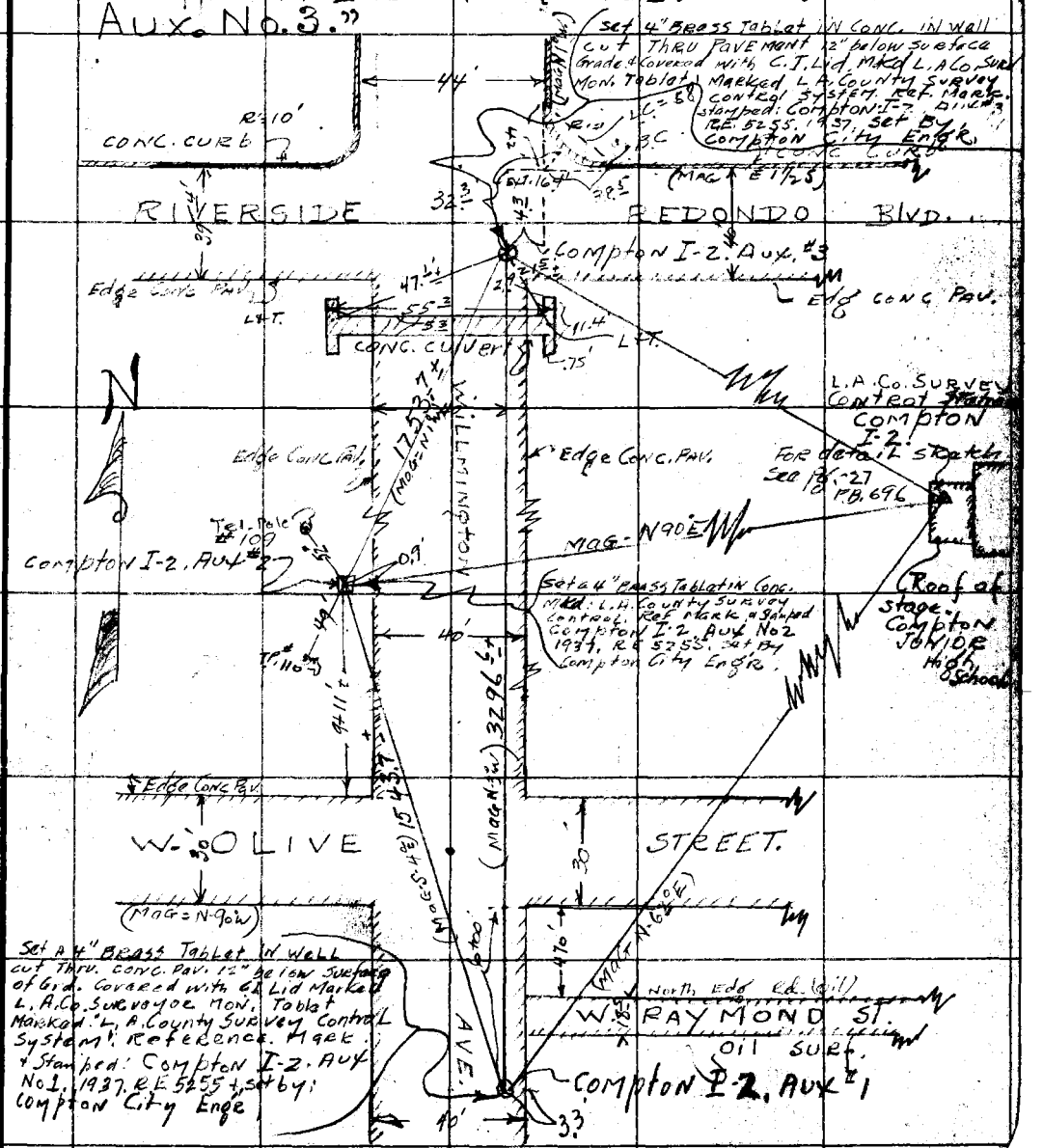
Notes Ck'd by	Survey of City of Compton	F.B. 696 Pg. 29
Map No.	W. O. 4913 Tape No. 064 St'd °F.	W.S. 26 ✓
Office Work	Surveyed by Butler, S.E.	Noted on Geo. Index Card
Checked	Notes GRANQUIST Date 1-22-37	Placed on [illegible] Quad. Shts.
Date	Indexed A. C. Johnson	Placed on [illegible] W.S. No.
		Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION. "COMPTON I-2-AUX. No.1. AUX. No.2. AUX. No.3."



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RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 30

L.A. COUNTY SURVEY CONTROL
AUXILIARY STATION No 1 of
COMPTON-I-2.
IN L.A. Co. CITY of COMPTON.
SO. AND EAST of INTERSECTION OF
WILMINGTON AVE AND WEST OLIVE
ST.
615.9' South of APPROX ℄ of W. OLIVE ST.
17.2' East of APPROX ℄ of WILMINGTON
AVE.

AUXILIARY STATION No 2 of
COMPTON I-2.
IN L.A. Co. City of Compton.
IN West Side of WILMINGTON AVE
AND North of West OLIVE ST.
926.± North of APPROX. ℄ of W. Olive St.
21.± West of APPROX. ℄ of WILMINGTON AVE

AUXILIARY STATION No 3 of
COMPTON I-2.
IN L.A. Co., City of Compton.
S.E. of INTERSECTION of WILMINGTON
AVE AND COMPTON AVE.
4.3' WEST of EAST CURB of WILMINGTON
AVE PROD. SOUTH.
32.3' South of NORTH CURB OF
COMPTON AVE PROD. West.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

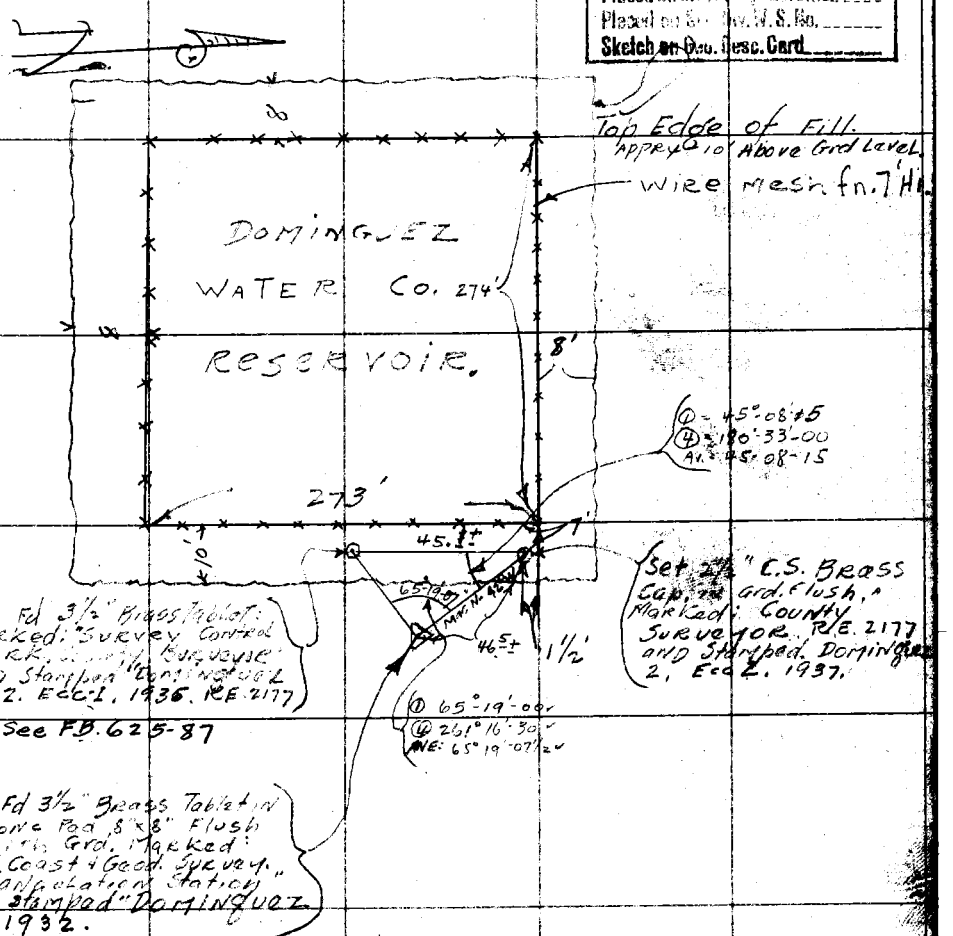
Do not extend notes this side of this line

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 City of Compton	F.B. 696 Pg. 31
Map No.	W. O. 4913 Tape No. 064 St'd °F.	W.S. 26
Office Work	Surveyed by Butler SE.	
Checked	Notes GRANQUIST Date 2-10-37	
Date	Indexed A. C. Johnson	

L. A. COUNTY SURVEY CONTROL TRIANGULATION STATION. DOMINGUEZ-No 2-Ecc-2

Noted on Geo. Index Card
Placed on U.S.C.S. Quad. Shts.
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

47 10M 11-35

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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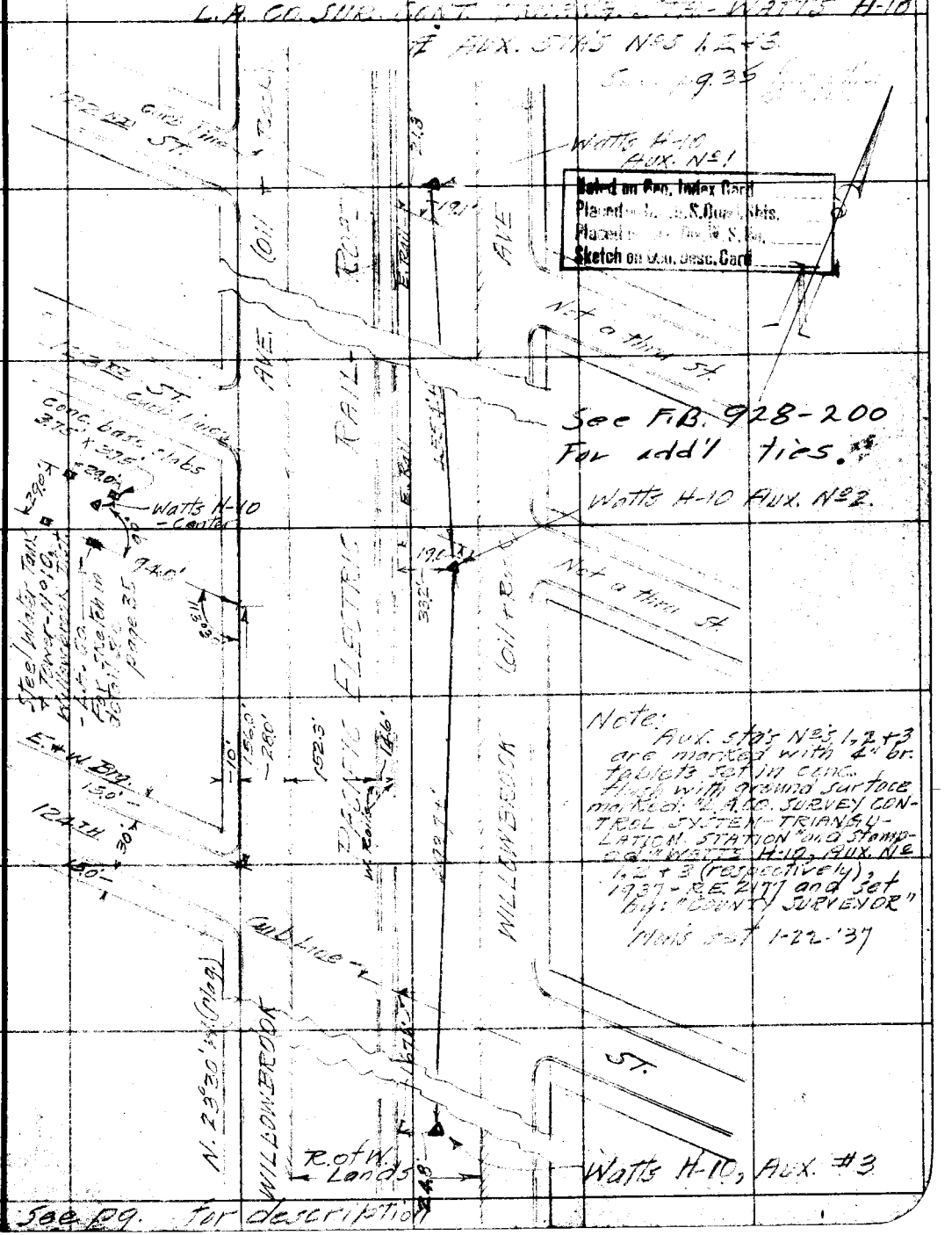
F.B. 694 PG. 32

Notes Ck'd by	Survey of [illegible] Sys. Compl. Area
Map No.	W. O. 4913 Tape No. [illegible] St'd [illegible] °F.
Office Work	Surveyed by S.E. Butler
Checked	Notes [illegible] Date 1-22-'37
Date	Indexed A. C. Johnson

F.B. 696 Pg. 33

W.S. 26 ✓



See pg. for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 - 10M 11-35

F.B. 696 Pg. 34

~DESCRIPTION~

L.A. CO. SUR. CONT. TRIANG. STA.-WATTS H-10

In L.A. Co about 1.8 miles N.W.ly from City of [illegible] or 1.6 miles S.E.ly from City of Watts [illegible] L.A. Co. [illegible] known as [illegible] between [illegible] and [illegible] West side of [illegible] Ave.

[illegible] So. of [illegible]

83.7' [illegible] from West [illegible]

Ave. 10.5' [illegible] from Ctr. of [illegible]

leg. of [illegible] 23.2' N.W.ly from ct. of [illegible]

of tower [illegible] Surface Plate [illegible]

[illegible] below [illegible]

[illegible] 18 [illegible]

Separated from [illegible]

Sand [illegible]

[illegible]

[illegible]

CONTROL [illegible]

and [illegible] H-16, [illegible]

[illegible]

See pg. for [illegible]

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

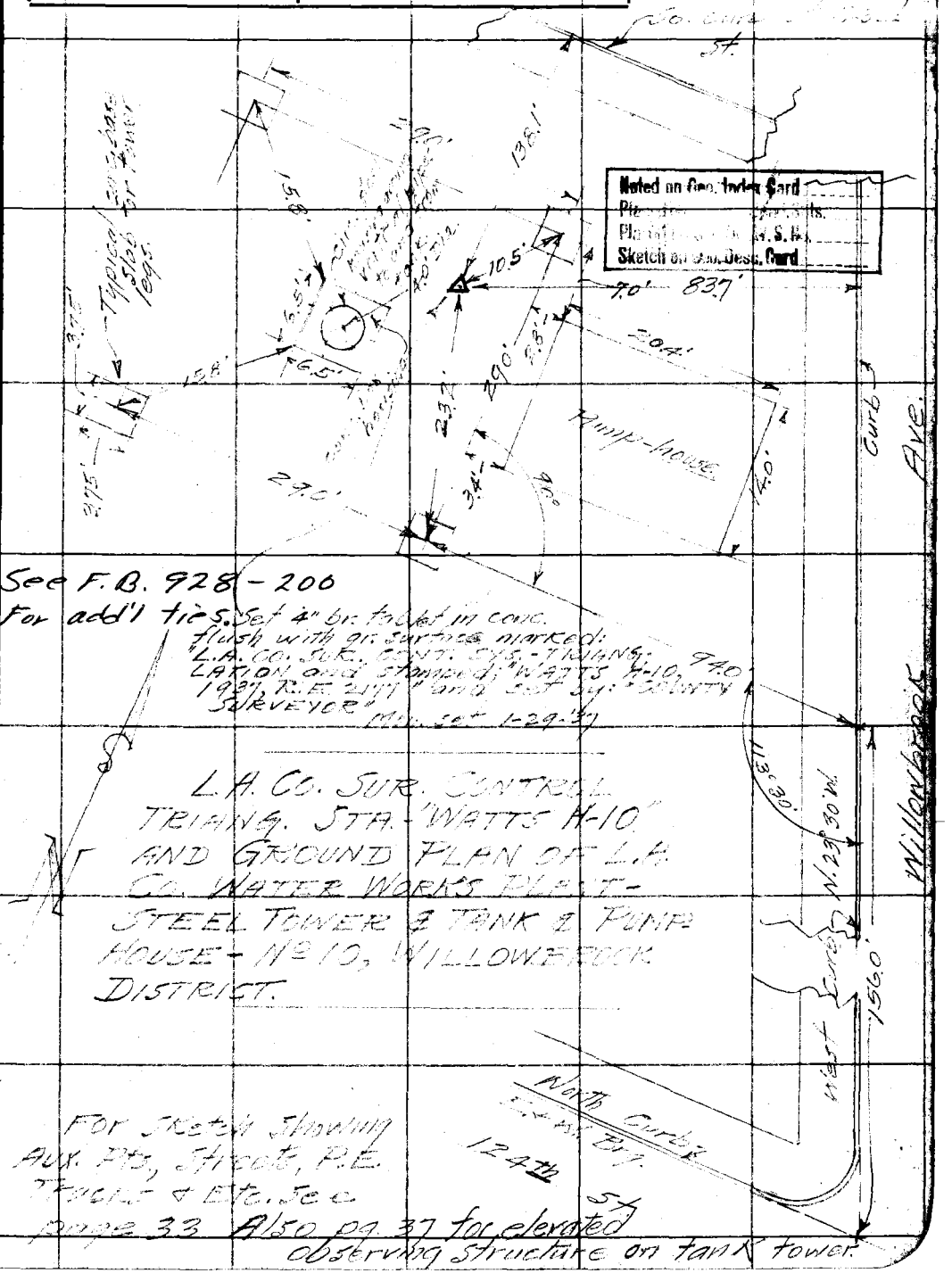
Do not extend notes this side of this line

Notes Ck'd by	Survey of Cont. Sys.-Compton Area
Map No.	W. O. 4913 Tape No. 264 St'd 34 °F.
Office Work	Surveyed by S.E. Butler
Checked	Notes Kleineck Date 1-29-37
Date	Indexed A. C. Johnson

F.B. 696 Pg. 35

W.S. 26 ✓

Noted on Geo. Index Card
Plan of ... Sets.
Plan of ... W.S. No.
Sketch on Geo. Desc. Card



See F.B. 928-200
For add'l ties. Set 4" br. tablet in conc. flush with gr. surface marked: "L.A. CO. SUR. CONT. SYS.-TRIANG. LATION and stamped; "WATTS H-10, 1937, R.E. 2177" and set by: "COUNTY SURVEYOR" Mn. set 1-29-37

L.A. CO. SUR. CONTROL TRIANG. STA. "WATTS H-10" AND GROUND PLAN OF L.A. CO. WATER WORKS PLANT - STEEL TOWER & TANK & PUMP HOUSE - No 10, WILLOWBROOK DISTRICT.

For Sketch Showing Aux. Pts, Streets, P.E. Tracks & Etc. See page 33 Also pg. 37 for elevated observing structure on tank tower.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

F.B. 696 PG. 30

Notes Ck'd by	Survey of
Map No.	W. O. 4913 Tape No. 264 St'd 36 F.
Office Work	Surveyed by
Checked	Notes Butler Date 11/12/
Date	Indexed A. C. Johnson

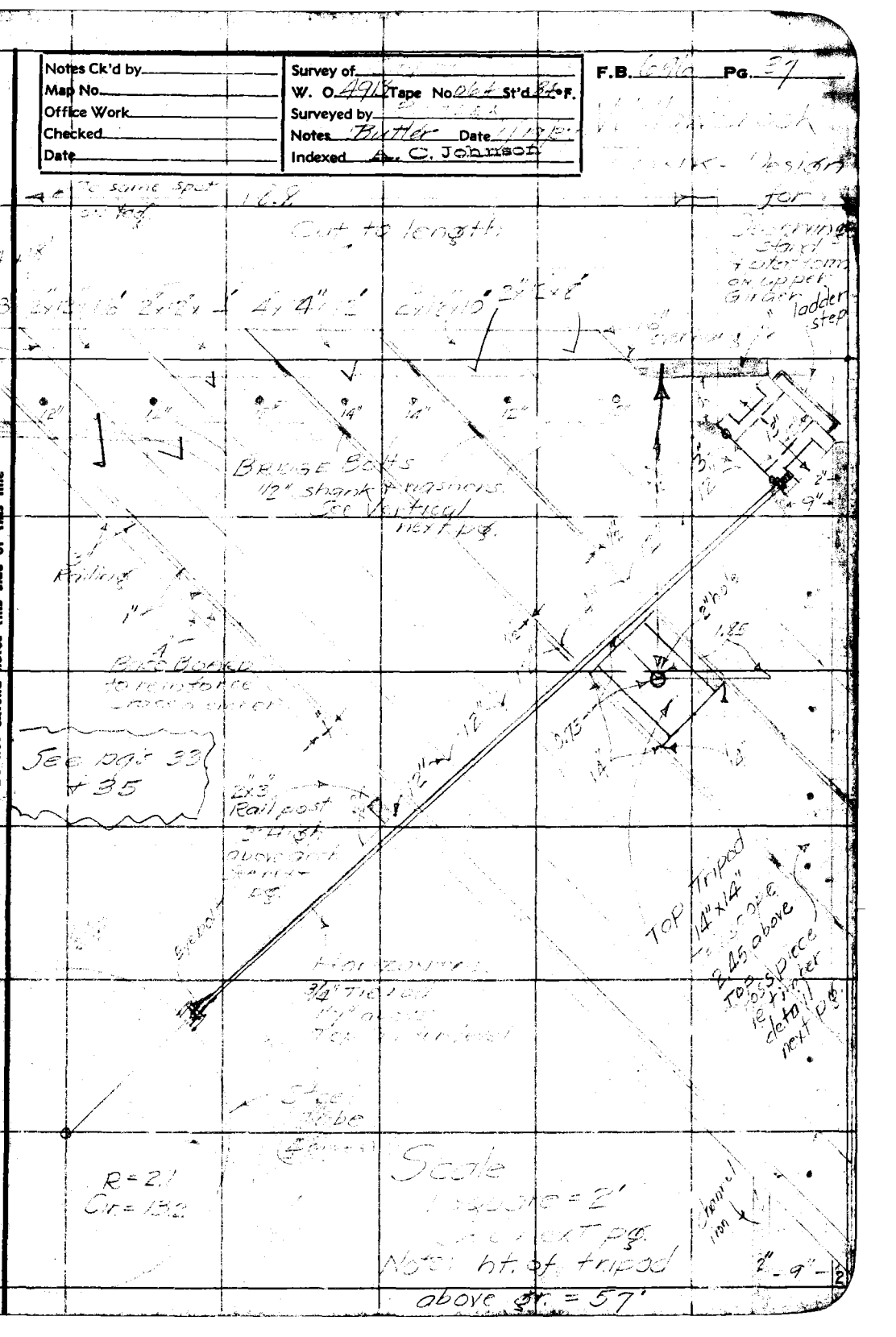
F.B. 6960 Pg. 57

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

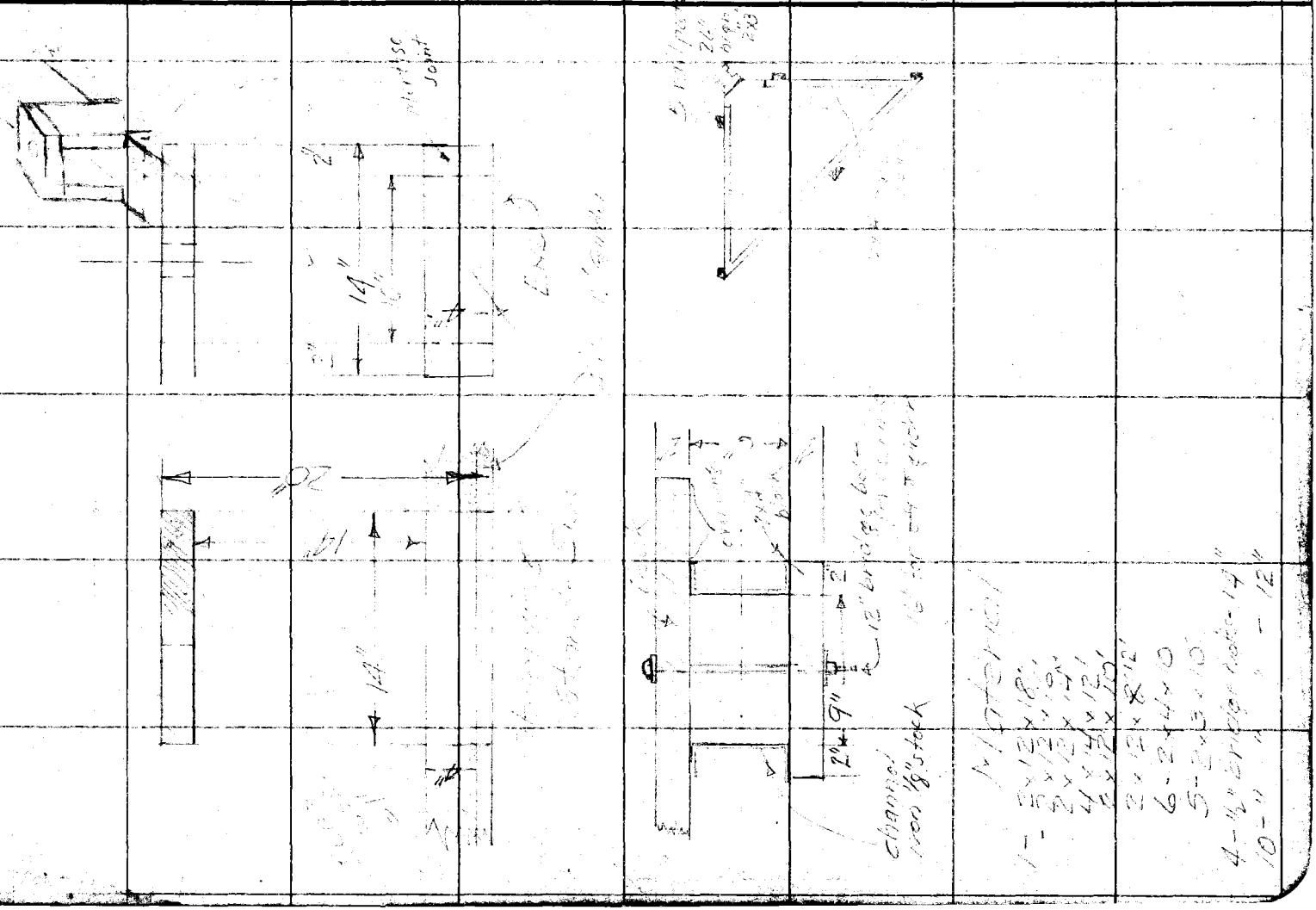
FORM 247 10M-11-60



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

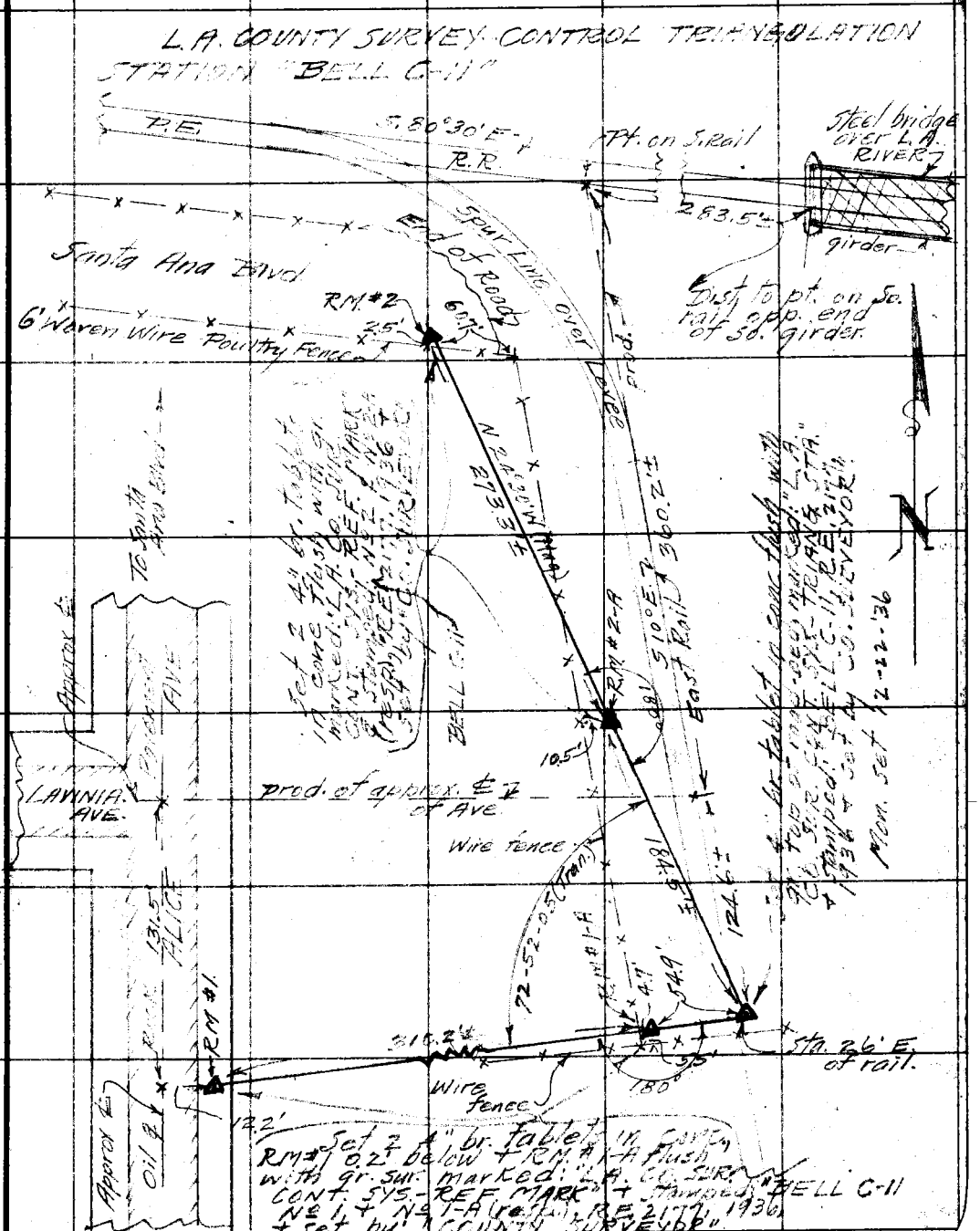
Do not extend notes this side of this line



F.B. 696 Pg. 38

Notes Ck'd by	Survey of Cont. Sys. - Complete Fred	F.B. 696 Pg. 39
Map No.	W. O. 4913 Tape No. 064 St'd 84°F.	
Office Work	Surveyed by [illegible]	W.S. 32 ✓
Checked	Notes Klaneck Date 12-22-'36	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL TRIANGULATION
STATION "BELL C-11"



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS.

FORM 247 10M 11-35

F.B. 696 PG. 40

Meineck

~DESCRIPTION~

L.A. CO. SUR. CONT. TRIANG. STA. "BELL C.H."

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of Cont. Sys. - Hampton Ave	F.B. 696 Pg. 41
Map No.	W. O. 4913 Tape No. 064 St'd 84° F.	
Office Work	Surveyed by SE Butler	
Checked HNB	Notes Grandquist Date 12-23-36	
Date 3-5-37	Indexed A. C. Johnson	

L.A.CO. SUR. CONTROL TRIANGULATION

STA. "BELL C-11"

Tape # 064 = 100'
Tension 21½# Std-84°
H.C. D.W.R.
RE. H.E.G.

Chaining.

From Reference PT #1 To 1-A

Meas. Dist.	Vert.	Forward Temp	Temp Corr	True Dist
99.630	0+00	66°		
99.520	"	66°		
99.000	"	66°		
12.085	"	66°		
310.235	"	66°	.0363	310.199
		Reverse		
99.800	0+00	66°		
99.700	"	66°		
99.055	"	66°		
11.690	"	66°		
310.245	"	66°	.0363	310.209
		Forward		
11.815	0+00	66°		
98.860	"	66°		
99.620	"	66°		
99.930	"	66°	.0363	8
310.235		66°	.0363	310.199
		Reverse		
12.030	0+00	66°		
98.950	"	66°		
99.545	"	66°		
99.690	"	66°		
310.215	"	66°	.0363	310.179
			4	1240.786
			Mean.	310.196

From Ctr Mon To R.M. # 1-A

Meas. Dist.	Vert.	Temp	Corr	True Dist.
22.585	0+00	72°		
32.330	0+00	72°		
54.915	0+00	72°	.0039	54.911
22.760	0+00	72°		
32.150	0+00	72°		
54.910	0+00	72°	.0039	54.906
32.220	0+00	72°		
22.690	0+00	72°		
54.910	0+00	72°	.0039	54.906
32.350	0+00	72°		
22.565		72°		
54.915	0+00	72°	.0039	54.911

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 42

Meas Dist. From Ref. Mk. 2 to 2-A.

Distance	Vert.	Temp	Corr.	True Dist
		Forward		
98.655	0+00	74°		
90.290	0+00	74°		
84.340	0+00	74°		
273.285		74°	.0178	273.267
		Reverse		
99.030	0+00	76°		
90.180	0+00	76°		
84.090	0+00	76°		
273.300	0+00	76°	.0143	273.285
		Forward		
99.900	0+00	74°		
99.840	"	74°		
73.550	"	74°		
273.290	"	74°	.0178	273.272
		Reverse.		
99.770	"	74°		
99.810	"	74°		
73.430	"	74°		
273.290	"	74°	.0178	273.272
			4 | 1093.0973	
			273.2743	

From ctr Mon.			To R.M. #2-A.	
82.410	0+00	70°		
99.580	0+00	70°		
2.143	0+00	70°		
184.485	0+00	70°	.0168	184.463
82.660	0+00	70°		
99.672	0+00	70°		
2.122	0+00	70°		
184.475		70°	.0168	184.458
99.625		70°		
84.860		70°		
184.485	0+00	70°	.0168	184.468
99.880		70°		
84.590		70°		
184.470	0+00	70°	.0168	184.453
			4 | 737.8428	
			184.4607	

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

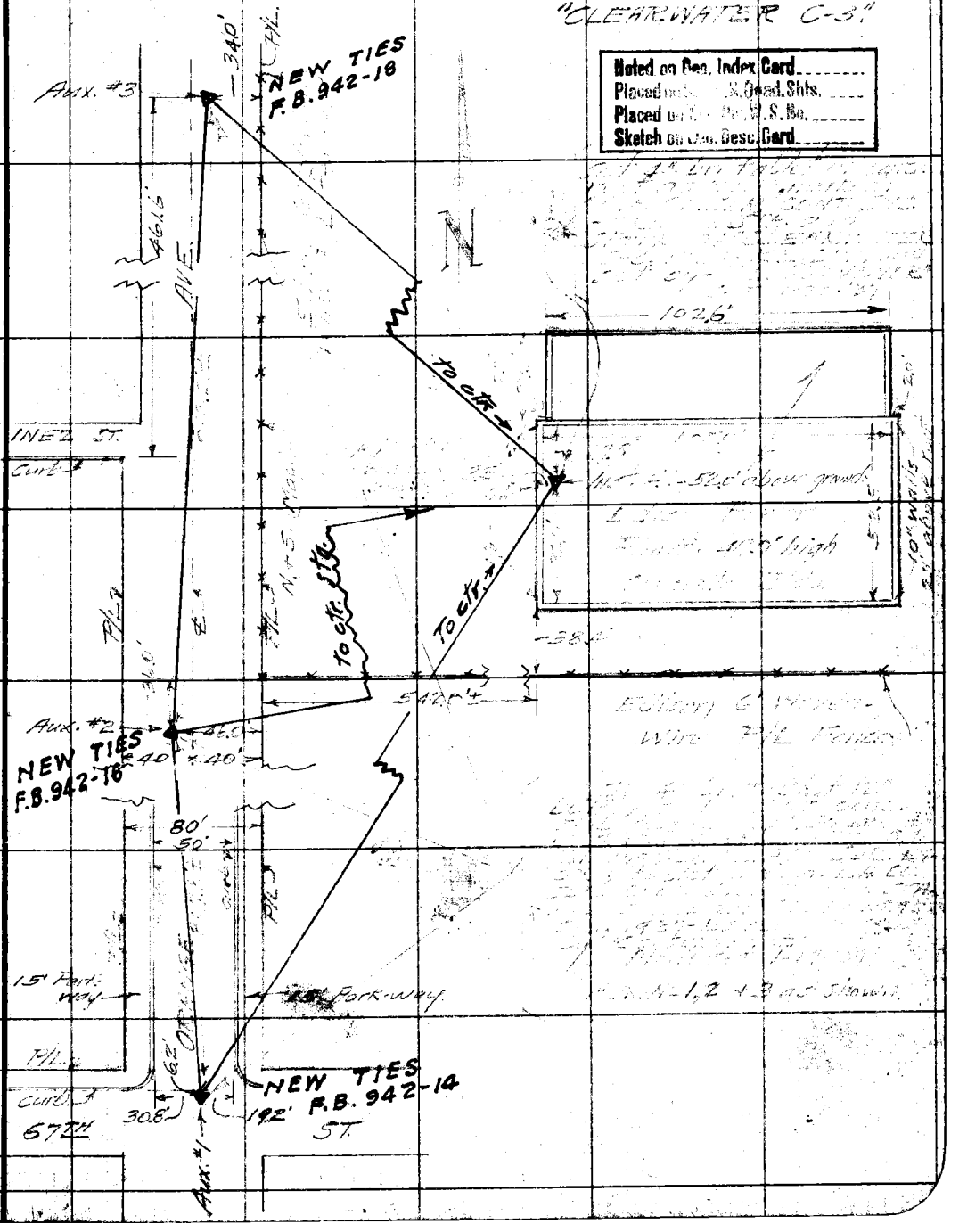
Do not extend notes this side of this line

Notes Ck'd by	Survey of Sur. Cont. Sys. - Compton Area	F.B. 696 Pg. 43
Map No.	W. O. [illegible] Tape No. 664 St'd 84° F.	
Office Work	Surveyed by S.E. Butler	W.S. 32 ✓
Checked	Notes Kleineck Date 1-20-'37	
Date	Indexed A. C. Johnson	

L.A. CO. SUR. CONT. TRIANG. STA. —

"CLEARWATER C-3."

Noted on Gen. Index Card
Placed on [illegible] Quad. Shts.
Placed on [illegible] W.S. No.
Sketch on Gen. Desc. Card



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

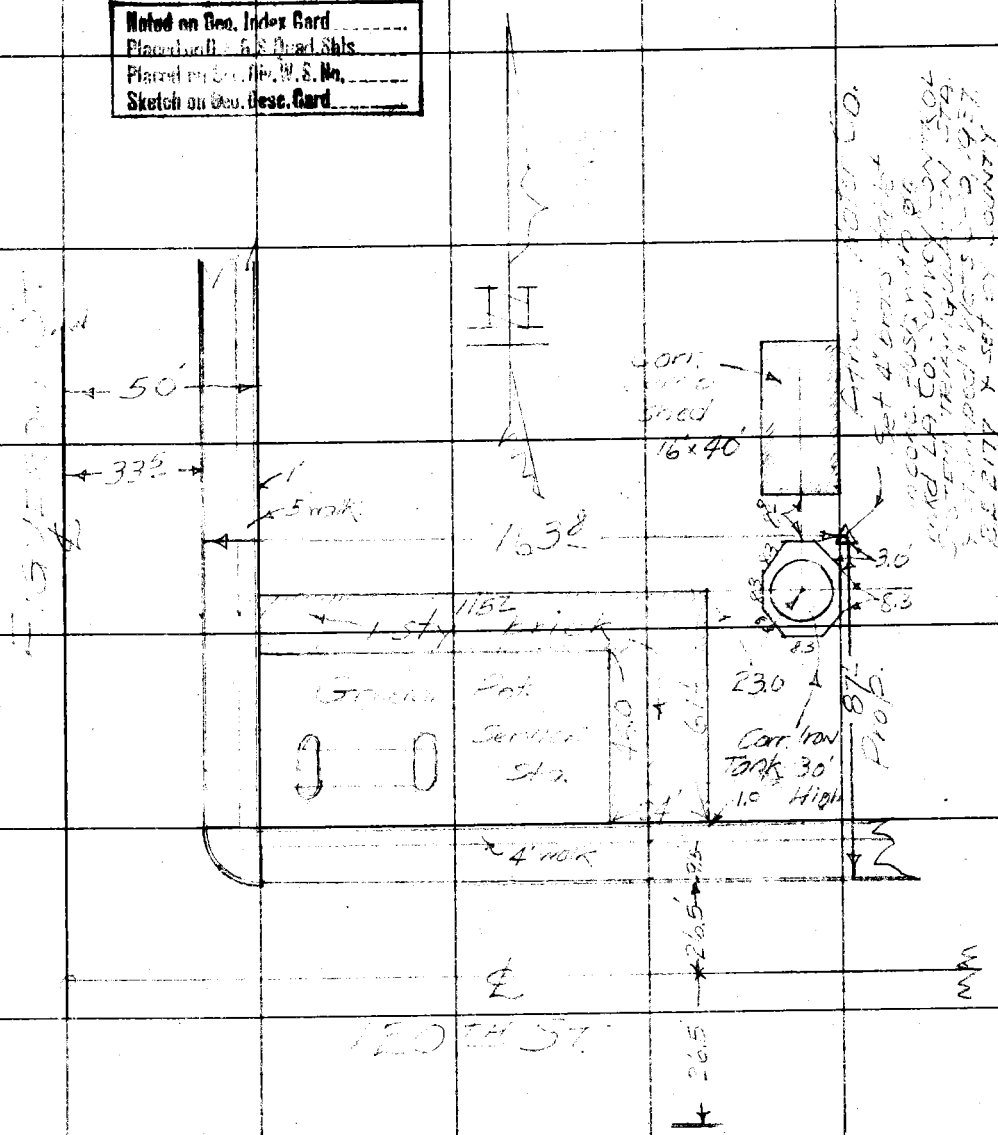
Do not extend notes this side of this line

F.B. 6910 Pg. 44

Notes Ck'd by	Survey of City of Compton	F.B. 696 Pg. 45
Map No.	W. O. 4913 Tape No. 064 St'd 84°F.	W.S. 26 ✓
Office Work	Surveyed by [illegible]	
Checked	Notes Date 1127/37	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION "WATTS C-10"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 46

Description.

L.A. Co Survey Control Triangulation Sta. "Watts C-10"

In L.A. Co. in City of L.A.

163.8 E. of E. Cb. Figueroa St.
87.1 N. " N. " 120th St.

Sub-Surface Mark:
Set 44" below surface [illegible] plug & copper tack in a conc. cylinder approx. 16" diam. & 10" deep & separated from surface mon. by an 8" sand cushion.

Surface Mark: Set a 4" [illegible] in conc. [illegible] with the gr. [illegible] L.A. Co. Survey Control System Triangulation Station & stamped Watts C-10, 1937 R.E. 2177 & set by County Surveyor.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of Cont. Sys. Control Arch
Map No.	W. O. 4913 Tape No. St'd °F.
Office Work	Surveyed by S.K. Butler
Checked	Notes Mc Wack Date 2-15-39
Date	Indexed A. C. Johnson 3-2-39

F.B. 2-9 Pg. 47

L.A. COUNTY CO-OPERATIVE SURVEY CONTROL STATION - "DENKER".

See F.B. #
No additional information.
Found brass cap in root in good condition under a 4' tripod.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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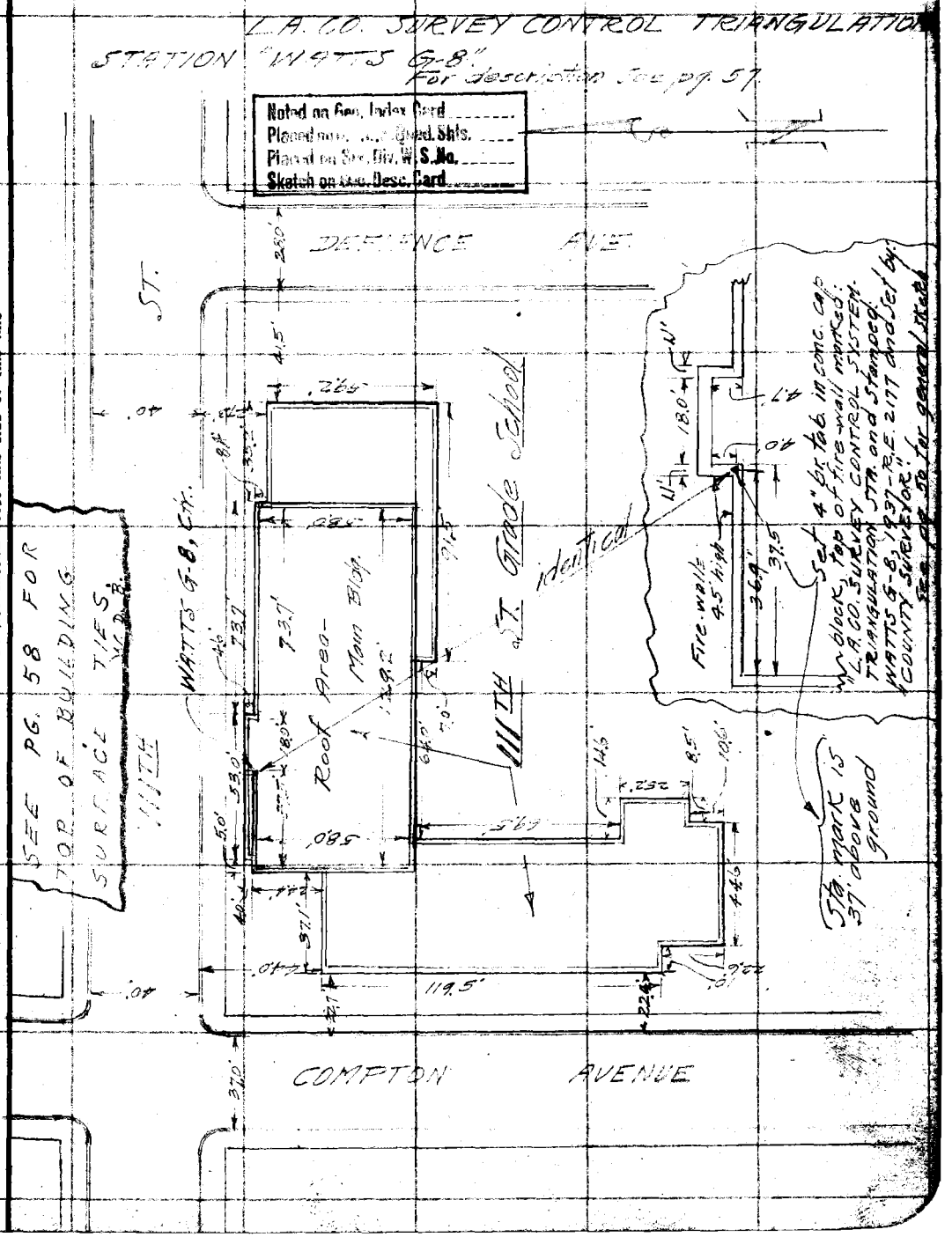
F.B. 696 PG. 18

Notes Ck'd by	Survey of Cont. Sys-Compton Area	F.B. 696 Pg. 49
Map No.	W. O. 1913 Tape No. 064 St'd 84 °F.	W.S. 26
Office Work	Surveyed by S.F. Butler	
Checked	Notes Klonieck Date 2-23-37	
Date	Indexed A. C. Johnson	



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

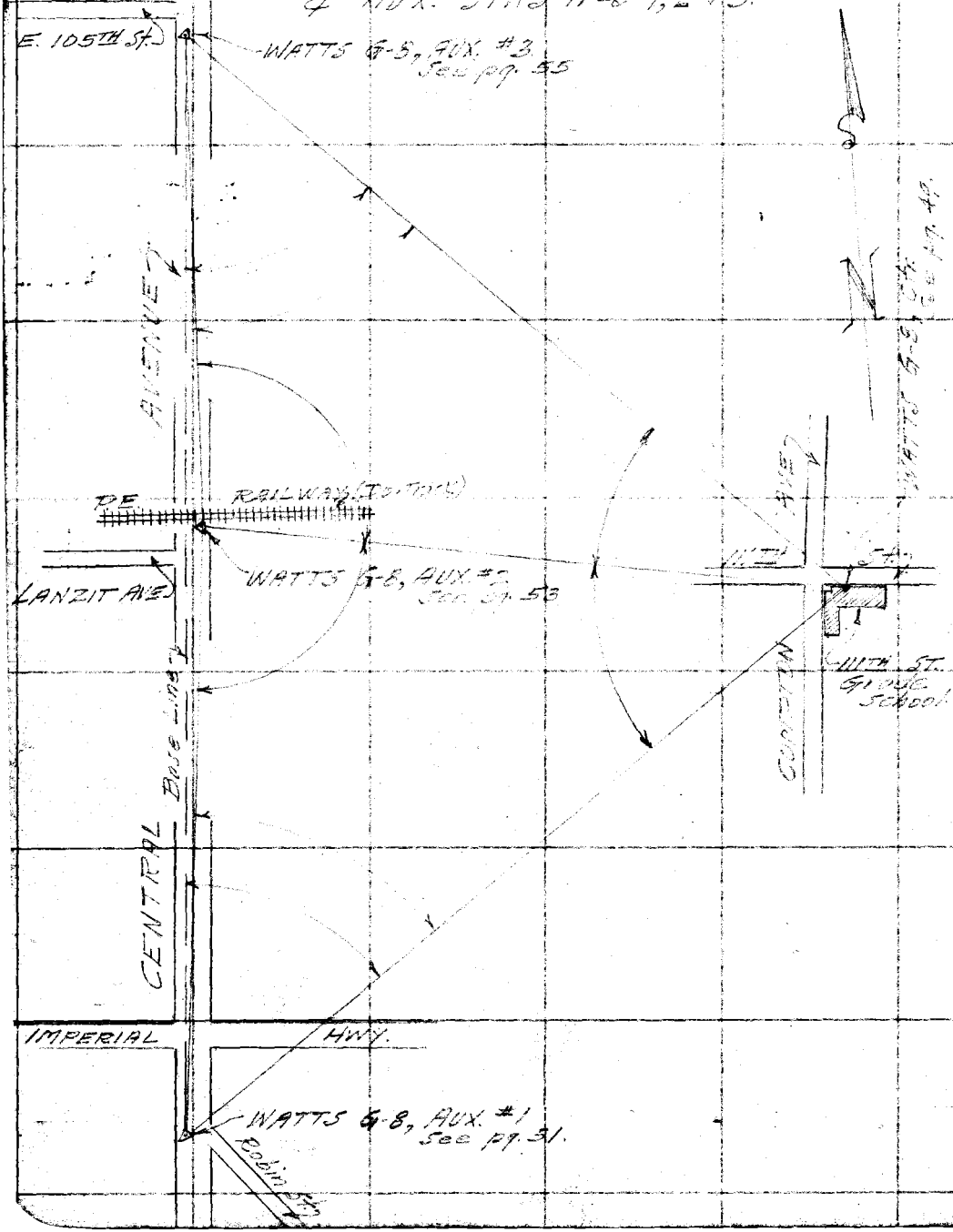
FORM 247 10M 11-35

F.B. 616 PG. 50

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sec. Div. U.S. No.
Sketch on Geo. Desc. Card

Kleineck
2-22-37

A. CO. SURVEY CONTROL TRIANGULATION STATION "WATTS G-5" & AUX. STA'S Nos 1, 2 & 3.



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line

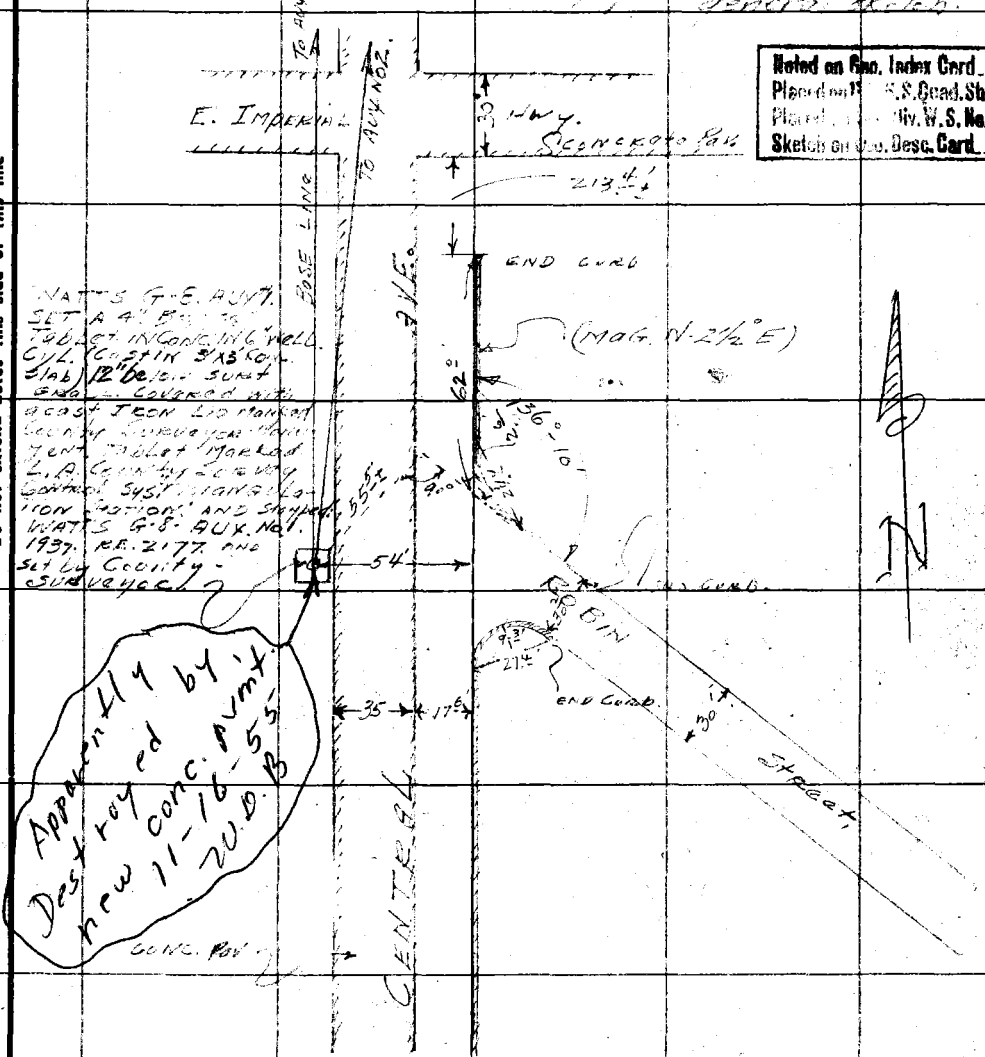
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of City of Compton	F.B. 696 Pg. 51
Map No.	W. O. 4913 Tape No. 56 St'd 84°F.	W.S. 26
Office Work	Surveyed by Butler SE	
Checked	Notes Granquist Date 2-23-37	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL
"AUXILIARY"
TRIANGULATION STATION.
"WATTS - G-8. AUX. NO 1."

See pg. 50 for ctr. sty. & general sketch.

Noted on Geo. Index Card
Placed on [illegible] S.S. Quad. Shts.
Placed [illegible] Div. W.S. No.
Sketch on Geo. Desc. Card



WATTS G-8. AUX 1. SET A 4" Bs. to Tablet in Conc. in 6" well. Cyl. (Cast in 3'x3' Con. Slab) 12" below surf. Grade. Covered with a cast Iron Lid marked County Surveyor Monument Tablet Marked L.A. County Survey Control Syst. Triangulation Station and Stamped WATTS G-8 AUX. No 1. 1937. R.E. 2177 and set by County Surveyor.

Apparently Destroyed by new conc. pvmt. 11-16-55 W.D.B.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 52

L. A. COUNTY SURVEY CONTROL
TRIANGULATION STATION.-
"AUXILIARY"
"WATTS G-8. AUX. NO 1.

IN L.A. CO. IN CITY OF L. A.
WATTS DISTRICT. SO. 1 BLK. OF E.
IMPERIAL HWY. ON WEST SIDE OF
SO CENTRAL AVE.
55.5' SOUTH OF NORTH CURB OF ROBIN
ST PROD. WEST AND
54' WEST OF EAST CURB OF SO. CENTRAL
AVE.

SURFACE MARK

SET A 4" BRASS TOILET IN CONC. 12" BELOW SURFACE
Grade. (IN A 6" WELL CYLINDER, cast in 3'x3' CONC SLAB AND
COVERED WITH A CAST IRON LID Marked L.A. COUNTY SURVEYOR
MONUMENT) TOILET MARKED L.A. COUNTY SURVEY
CONTROL SYSTEM TRIANGULATION STATION
AND STAMPED: WATTS G-8. AUX. NO 1. 1937. R.E. 2177,
AND SET BY COUNTY SURVEYOR.

SUB SURFACE MARK:
NOT SET.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4913 Tape No. 137 St'd 54 F.
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson

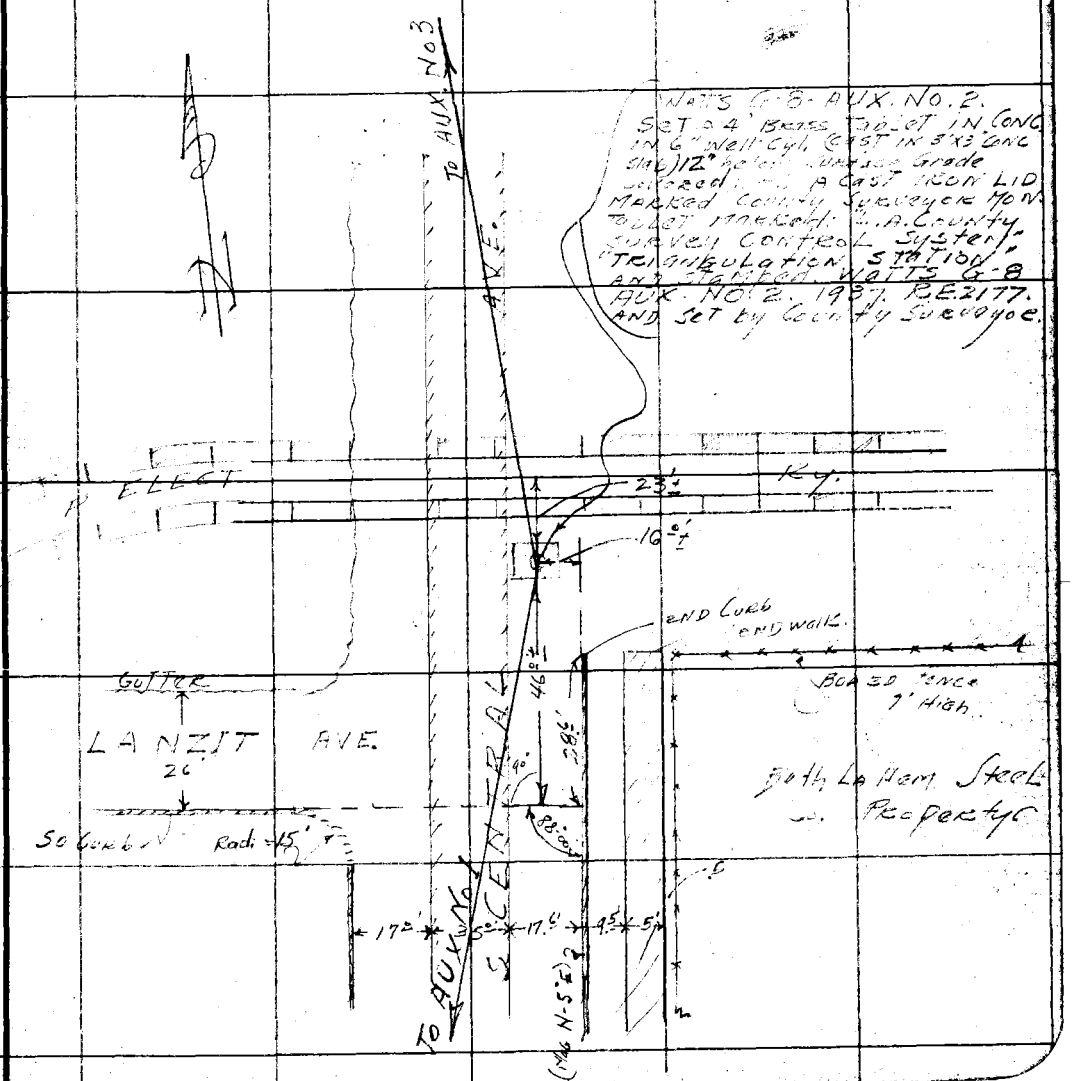
F.B. 696 PG. 53

W.S. 26 ✓

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sec. No. W.S. No.
Sketch on Geo. Desc. Card

"L.A. COUNTY SURVEY CONTROL (AUXILIARY) "TRIANGULATION STATION" WATTS G-8 AUX. NO. 2

See pg. 50 for ctr. sta. + general sketch



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 54

L.A. COUNTY SURVEY CONTROL SYSTEM. TRIANGULATION AUXILIARY STATION.

WATTS G-8. AUX. NO 2.

IN L.A. CO, IN CITY OF L.A. IN WATTS DISTRICT. NORTH .35' MILE OF IMPERIAL HWY. ON EAST SIDE OF SO CENTRAL AVE.

16' WEST OF EAST CURB OF SO. CENTRAL AVE.

46.0' NORTH OF SO. CURB OF LANZIT ST PROD. EAST.

SURFACE MARK:

SET A 4" BRASS TABLET IN CONC. 12" BELOW SURFACE GRADE (IN A 6" WELL CYLIN [illegible] CAST [illegible] 3'x3' CONC. [illegible]) COVERED WITH A CAST IRON LID MARKED "COUNTY SURVEYOR MONUMENT. [illegible] MARKED "L.A. COUNTY SURVEY CONTROL SYSTEM," "TRIANGULATION STATION" AND STAMPED WATTS G-8. AUX. NO. 2. 1937, R.E. 2177. AND SET BY COUNTY SURVEYOR.

SUB SURFACE MARK:
NOT SET.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of City of Compton
Map No.	W. O. 4913 Tape No. 137 St'd 14°F.
Office Work	Surveyed by Butler Jr.
Checked	Notes Grandquist H. Date 2-23-37
Date	Indexed A. C. Johnson

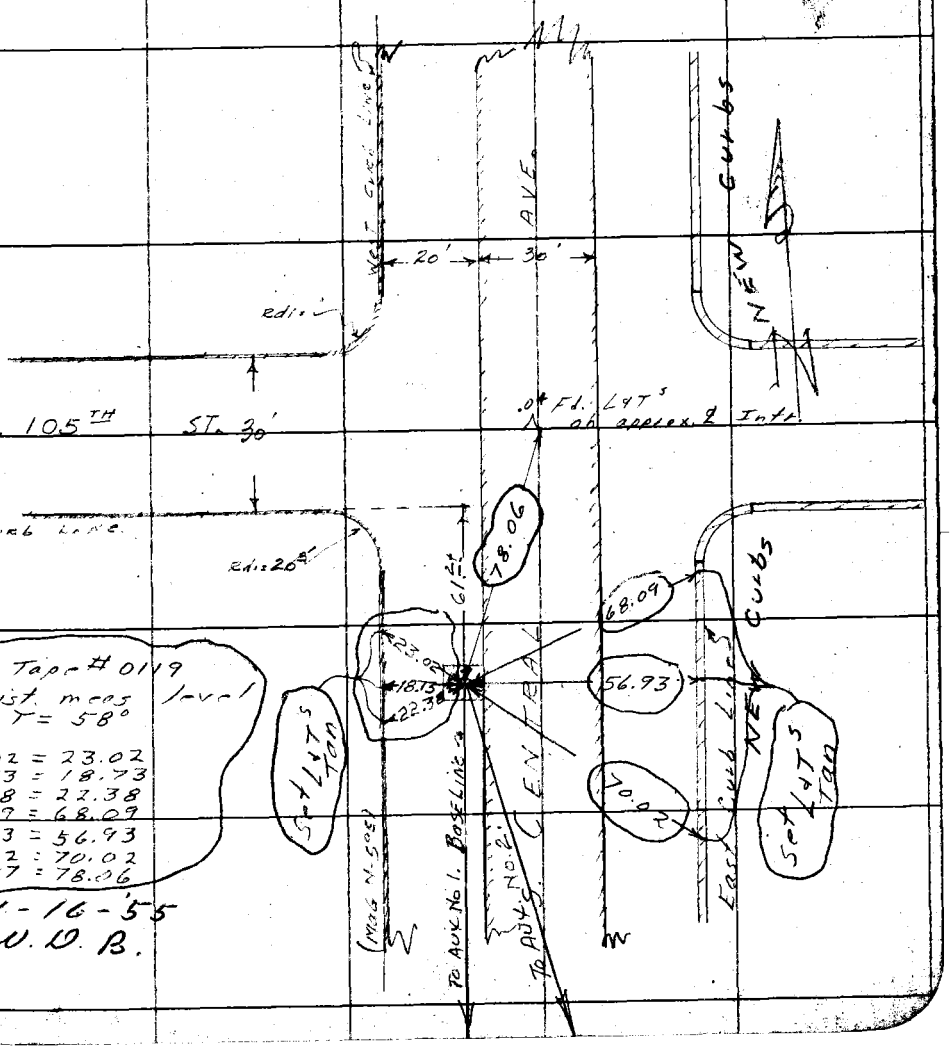
F.B. 696 Pg. 55

W.S. 26 ✓

L. A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION AUXILIARY STATION.
WATTS G-8. AUX. No. 3.

See pg. 50 for ctr. sta. & general sketch.

Noted on Gen. Index Card
Placed on Gen. Quad. Shts.
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card



Tape # 0119
All dist. meas level @ T = 58°

23.02 = 23.02
18.73 = 18.73
22.38 = 22.38
68.09 = 68.09
56.93 = 56.93
70.02 = 70.02
78.07 = 78.06

11-16-55
W. D. B.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 56

L.A. COUNTY SURVEY CONTROL SYSTEM.

TRIANGULATION AUXILIARY STATION.

WATTS G-8. AUX. No-3.

IN L.A. CO., CITY OF L.A. IN WATTS DISTRICT. 7 MI. NORTH OF E. IMPERIAL HWY. AND ON WEST SIDE OF S. CENTRAL AVE. SOUTH AND WEST OF INTERSECTION OF 105TH ST. AND S. CENTRAL AVE.

61.2' South of South Curb of 109th St Prod East
12.4' East of West Curb of So Central Ave.

SURFACE MARK:

SET A 4" Brass TABLET IN CONC 12" Below Ground Surface IN 6" Well Cyl. (Cast IN 3'x3' CONC SLAB) AND COVERED With CAST IRON LID MARKED COUNTY SURVEYOR MONUMENT. TABLET Marked: "L.A. COUNTY SURVEY CONTROL SYSTEM." TRIANGULATION STATION.. AND STAMPED.
WATTS G-8. AUX. NO 3. 1937. R.E. 2177. SET by COUNTY SURVEYOR.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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. Control Traverse	F.B. 694 Pg. 59
Map No.		W. O. 4913 Tape No. St'd °F.	
Office Work		Surveyed by S.E. Butler	
Checked		Notes Kleiner Date 2-24-37	
Date		Indexed A. C. Johnson	

~DESCRIPTION~

L.A.Co. SUR. CONTROL TRIANG. STA. "WATTS G-8"

In L.A. Co, City of Los Angeles about 0.6 mile So. of town of Watts on roof of highest part of 111th St. Grade School at intersection of Compton Ave. with 111th St.

369' E. along top of No. fire-wall from E. face of W. firewall.

4.0' So. along top of fire-wall W/S of bay from So. face of No. wall of same.

Surface Mark: Set 4" brass tablet in conc. Coping block top of north fire-wall at S.W. Cor. of bay marked: "L.A. COUNTY SURVEY CONTROL SYS. 1934 - TRIANGULATION STATION" and stamped "WATTS G-8, 1937 - B.E." and set by "COUNTY SURVEYOR"

See pg. 45 for blue sketch
" " 50 for General sketch
See pgs 51, 53 & 55 for auxiliary sta. sketches.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

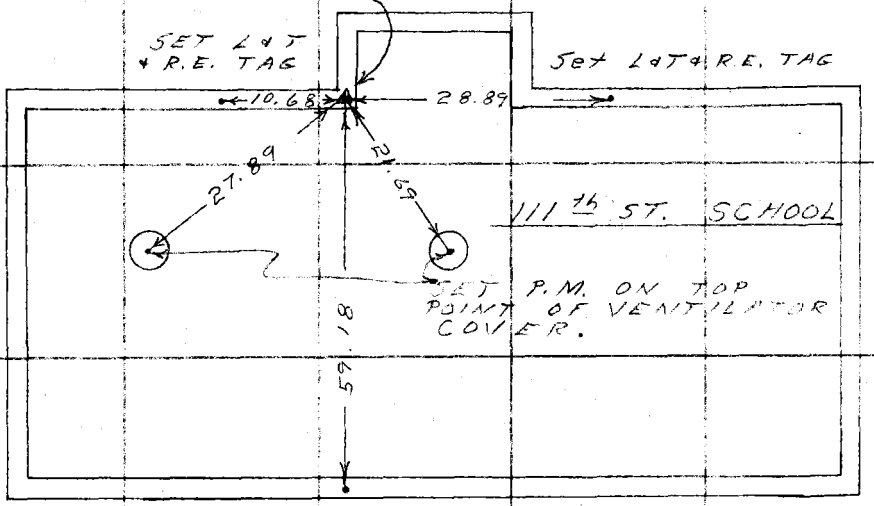
FORM 247 10M 11-35

F.B. 576 PG. 58

TOP OF BUILDING SURFACE TIES TO "WATTS G-8"

W. D. BAY 6-6-58

100' TAPE # 0119



ALL DIST. MEAS. LEVEL @ T = 60°

10.68	=	SAME
21.89	=	"
21.78	=	"
21.69	=	"
28.89	=	"

9-5-58

THIS STATION HAS BEEN REMOVED AND RESET IN NEW WALL, PROBABLY BY CONTRACTOR. TIES CHECK O.K. STAMPED CAP "RESET 1958".

W. D. BAY

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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.

PROJECT CENTRAL AVE DRAIN — INDEX

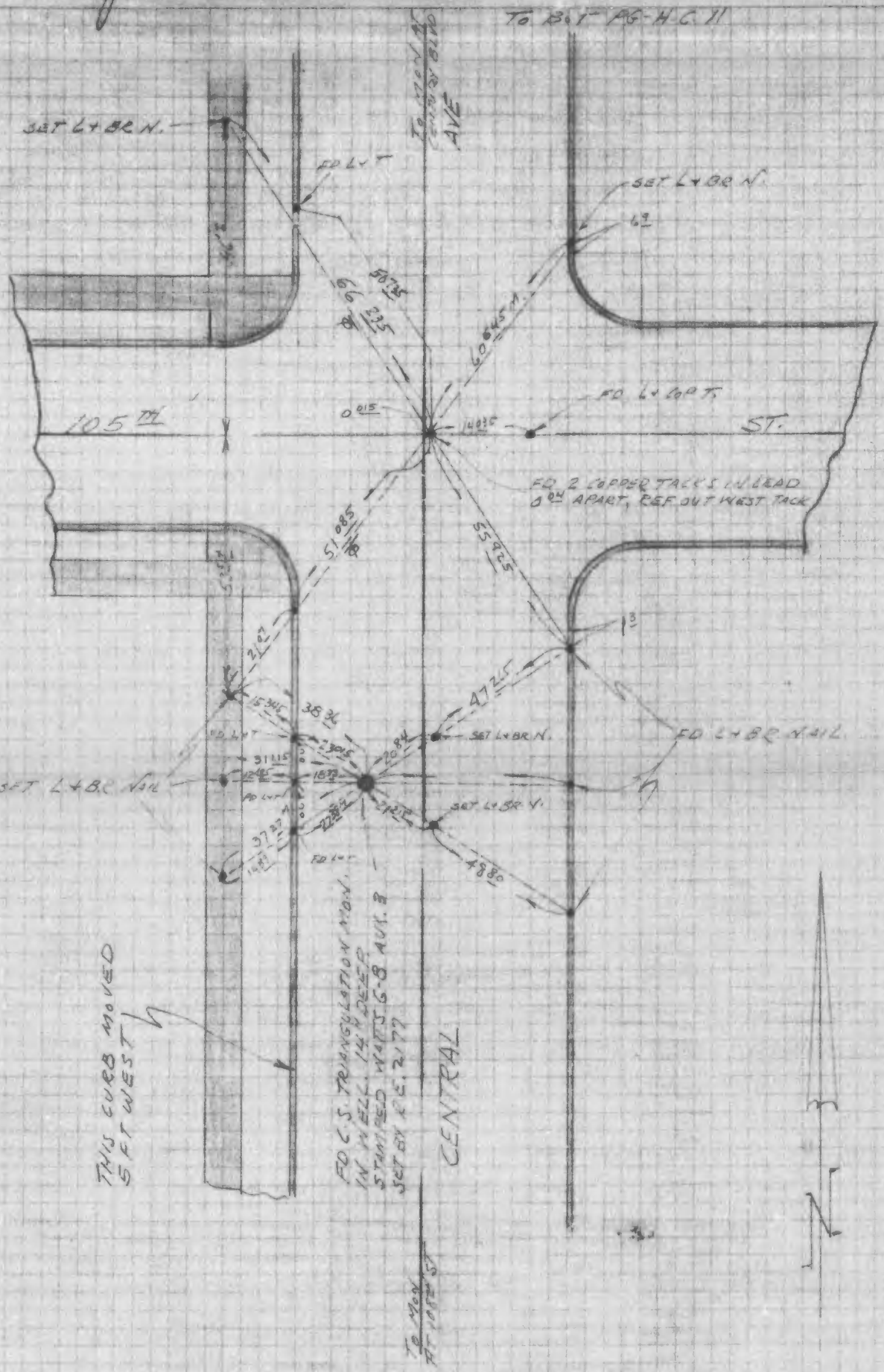
SURVEY BY BLAND — DATE 12-5-5

REVIEWED BY J.M — DATE 8-3-56

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

TO BOT PG-H.C. 11

H.C. 9



TO TOP PG H.C. 7

Notes Ck'd by	Survey of [illegible] - Compt	F.B. 696 Pg. 59
Map No.	W. O. 4911 Tape No. [illegible] St'd 64°F.	W.S. 26
Office Work	Surveyed by S.E. Butler	
Checked	Notes [illegible] Date [illegible]	
Date	Indexed 3-1-38	

TRIANGULATION

STATION ~ COMPTON I-2, AUX

NO. 4

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

Do not extend notes this side of this line

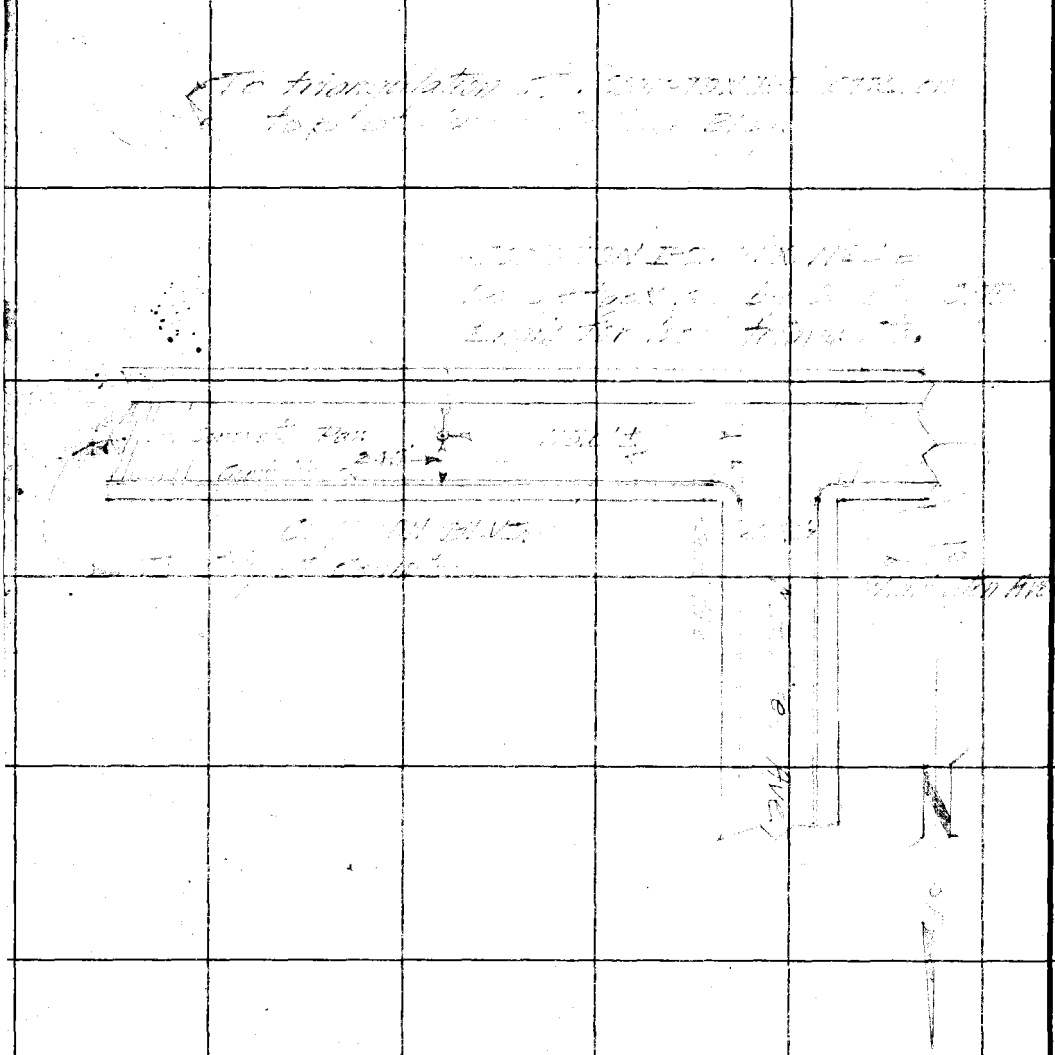
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 60

W.S. 26

SKETCH SHOWING LOCATION OF TRIANGULATION STA. "COMPTON I-2, AUX. No 4"



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.08 Tape No. 95 St'd. 84 °F
Office Work	Surveyed by W. D. Boy
Checked	Notes W. D. B. Date 1-30-56
Date	Indexed A. C. Johnson 2-6-55

F. B. 696 PG. 61

Direction To San Tuze

L.A. CO. SURVEY CONTROL TRIANGULATION STATION "LABREA-A-6"

Mountain dirt Rd.

Fd 12-16-58 H.R.S.
Set. R.M. #4
See next Pg.

12°40'08"

Fd 12-16-58 H.R.S.
Fd. R.M. #1
Per F.B. 696-129
See next Pg.

44°48'03"

Note: Dist. & angles to R.M. #1 & 2 per F.B. 696-129 and GEOD. CARD. checked O.K.

165.62

36.08

51.09

95°36'11"

219.63

87°29'37"

Fd. U.S.G.S. br. cap. per F.B. 696-129 Disturbed See Next pg.

32.79

Set L&T in boulder per ties LA BREA A-6
See Next Page

Set tack & tag HRS 12-16-58

Fd. R.M. #2
Per F.B. 696-129
See next Pg.

Destroyed out 12-16-58 H.R.S.

151.67

All dist meas level @T=56°

Set R.M. #3
See next Pg.

Destroyed April 5, 1956 H.R.S. - R.M. #3

165.65 = 165.62
219.67 = 219.63
151.70 = 151.67

See pg 124 for old sketch
[illegible] 2/1/56

(1) 12-40-00	(1) 87-29-30
(4) 50-40-40	(4) 349-58-20
(6) 76-00-50	(6) 164-57-40
(A) 12-40-08 1/3	(A) 87-29-36 2/3

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

76F309S S&E #247. 8-54

F. B. 646 Pg. 62 (old desc. pg 130)

STATION DESCRIPTION

LA BREA A-6

This station is in LOS ANGELES COUNTY, 5.5 miles S. of the town of PUENTE, on the highest point of the Ely. half of the PUENTE HILLS, 4 miles S. of VALLEY BLVD. & on the approx. prod of NOGALES ST.

To reach this station from the intx. of POMONA AVE. & CENTRAL AVE, (near BREA in ORANGE COUNTY) go W. 0.4 miles to side road, "KELL" sign, go right (N) 0.5 miles to fork of 3 roads, take left (W) fork 0.5 miles up to top of saddle. Fork L (N'ly) fork down into ravine, keeping to N. side 0.3 miles to gas refinery. Circle refinery coming to a gate, N. side. Go left, past a cattle gate & a pump 1.2 miles to saddle & side road. Turn right & down 0.1 miles to ravine bottom & a fork. Take R. fork 0.2 miles to saddle & side road. Take L fork up 0.3 miles to fork. Take L fork up, past a lone storage tank, 0.4 miles to summit & station.

STATION MARK: Fd. a std. U.S.G.S. in co-op with L.A. Co. brass cap cemented in a boulder but lying on its side 2.0' S. of its correct location. Set a LAT in same boulder per ties F.B. 696-129.

R.M. NO. 1: Fd. a std. L.A. CO. 4" brass cap R.M. in conc. stamped "R.E. 2177, NO. 1, LA BREA A-6, COUNTY SURVEYOR, 1937" 2" below surface.

R.M. NO. 2: Fd. Same as R.M. NO. 1 except stamped "NO. 2".

R.M. NO. 3: Set a std. L.A. CO. 4" brass cap R.M. in conc. stamped "LA BREA A-6, R.M. NO. 3, 1956, CO. ENGR. R.E. 5867", extending 4" above the ground.

R.M. NO. 4: Set same as R.M. NO. 3 except stamped "R.M. NO. 4".

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

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Do not write notes this side of this line.

F. B. 696 PG. 63

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

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

63

76F309S 247 10M 1-49

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

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F. B. _____ PG. _____

Notes Ck'd by	Survey of City of Long Beach
Map No.	W. O. 4911 Tape No. 064 St'd 24 °F.
Office Work	Surveyed by [illegible]
Checked	Notes " Date 2/37
Date	Indexed A. C. Johnson APR 8 37

F.B. [illegible] PG. 71

J.N. 4911

SURVEY CONTROL SYSTEM

CITY of LONG BEACH

Record of monumenting

Description of station

[illegible] 1/37

completed 2/37

BUTLER
KLEINECK
GRANQUIST
REYNOLDS
MOSER

[illegible]

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. ~~52~~ 72

INDEX - STATIONS

No.	Name	Sketch	Description
1	Dawson, Aux.	Pg. ~~53~~ 73	Pg. ~~54~~ 74 ✓
2	N.W. Base, Aux.	" ~~55~~ 75	" ~~56~~ 76
3	Wilmington D-10	" ~~57~~ 77 & 79	" ~~58~~ 78
4	General Sketch	" 81	(Long Beach Area)
5	Wilmington J-5	" 83	" 84
6	" H-5	" 85	" 86
7	" I-3	" 87	" 88
8	" J-4A	" 89	" 90
9	" J-5A	" 91	" 92
10	" J-4	" 93	" 94
11	(USC.+G.S. "KNIGHT"	" 95	" 96
12	Long Beach J-7	" 97	" 98
13	" " J-6	" 99	" 100
14	" " L-6	" 101	" 102
15	" " K-7-A	" 103	" 104
16	General Sketch	" 105	Seal Beach Area.
	La Habra E-12	" 107	" 108
17	San Juan (USC.+G.S.)	None	" 110
18	Wilmington F-11	pg 113	" 114
19	Wilmington I-3 (R.M.)	" 120	None
20			

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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Survey of [illegible] Triangulation
W.O. 6911 Topo No. 56 Sht. 3 of [illegible]
Checked [illegible] 9/2/37 (Chas. Aich) Notes Meinecke Date 12-9-36
Inplaced [illegible] C. Johnson

Sheet on Sta. Index Card
Placed on F. F. Description
Placed on Sta. Desc. Card
Sketch on Sta. Desc. Card

LA COUNTY SURVEY CONTROL TRIANGULATION STATION "DAWSON"

"CENTER", "DAWSON-ECC." & "DAWSON-RAY." As Supplemental Control

Chained Distances:

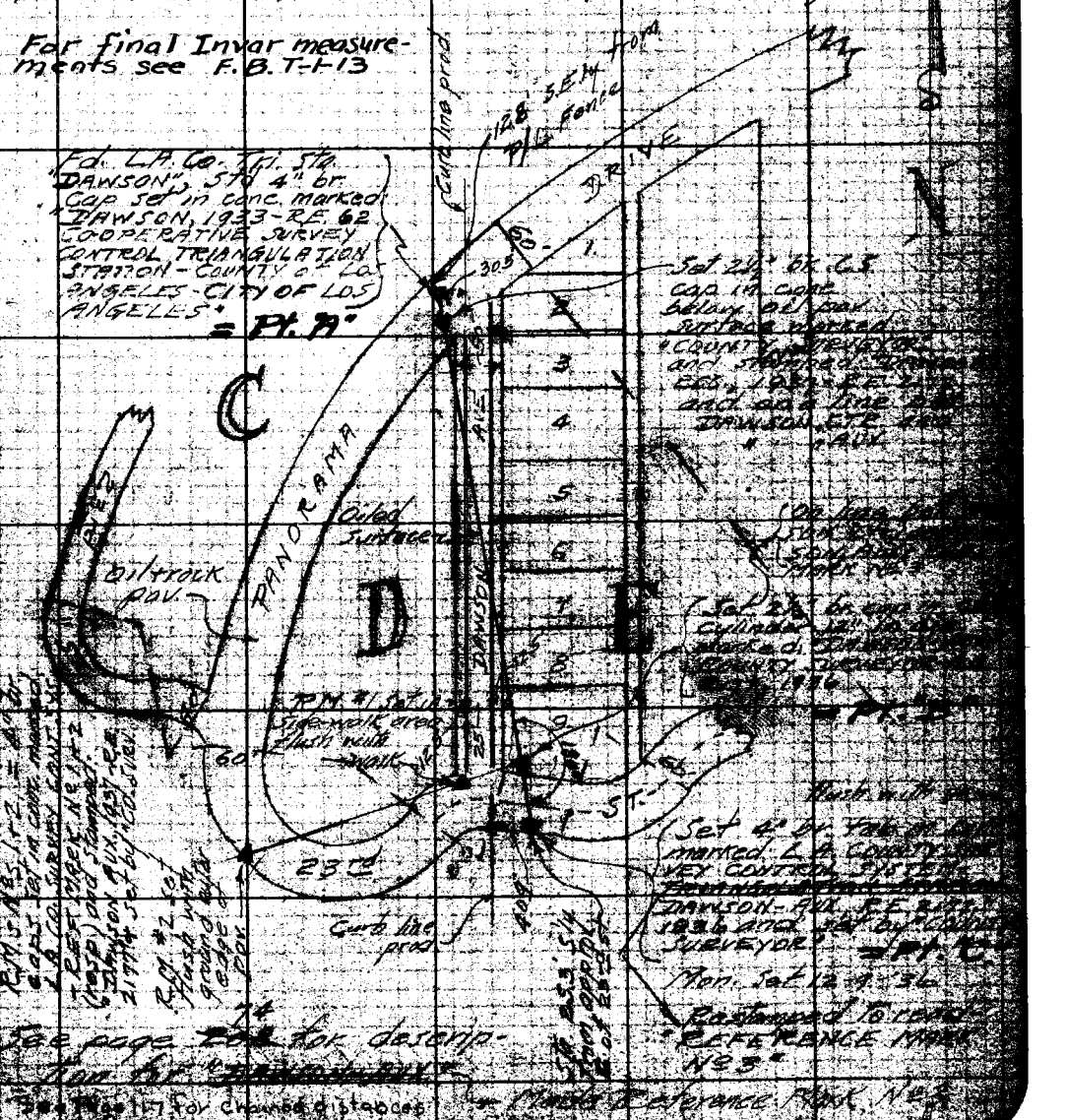
Pt. "A" to Pt. "B" { 298.56' @ 5°21'30" T. = 70° = 297.23 / 202.69' @ 0°00' T. = 70° = 202.67 } Distances Superseded
Total 499.90

Pt. "B" to Pt. "C" = 84.82' @ 10°50' T. = 70° = 83.304

Corrected Dist.

For final Invar measurements see F.B. T-1-13

"Fd. L.A. Co. Tri. Sta. DAWSON" Sta 4" br. Cap set in conc. marked "DAWSON, 1933-RE 62 COOPERATIVE SURVEY CONTROL TRIANGULATION STATION - COUNTY OF LA. ANGELES - CITY OF LOS ANGELES" = Pt. A



See page [illegible] for descriptions of Reference Marks

See Page 117 for Chained Distances between Reference Marks

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

Notice: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CANCELED IN Red Ink WITH DATE AND NAME OF PERSON MAKING THE CHANGE.

Do not write or print below this line

Dec. 14-36 - Kleineck

— DESCRIPTION —

L.A. Co. Sur. Control ~~Triangulation Station~~ ~~"DAWSON AUX"~~ Made "REF. MARK No. 3"

In L.A. Co., Municipality of Signal Hill in Signal Hill oil-field N.E. side of Long Beach City On N.W.ly side of Signal Hill Knoll near top and approximately 2 blks. E. of "Cherry Ave" at N'ly end of Dawson Ave

583.2' S. 10° E. from "Dawson," Ctr. Mon.
40.9' E. of E. curb line of Dawson Ave.
25.3' S'ly from approximate ℄ of 23rd St.

Sub Surface Mark:

Set 4.4" below surface tablet, a lead plug and copper tack in a concrete cylinder approx. 16" in dia. and 10" deep and separated from surface monument by an 8" sand and loam cushion.

Surface Mark:

Set a 4" brass tablet in conc. flush with ground marked "L.A. COUNTY SURVEY CONTROL SYSTEM" ~~TRIANGULATION STATION~~ and stamped "DAWSON AUX, 1936 - R.E. 2177" and set by "COUNTY SURVEYOR"

REFERENCE MARK No. 3.

See page ~~207~~ 73 for sketch

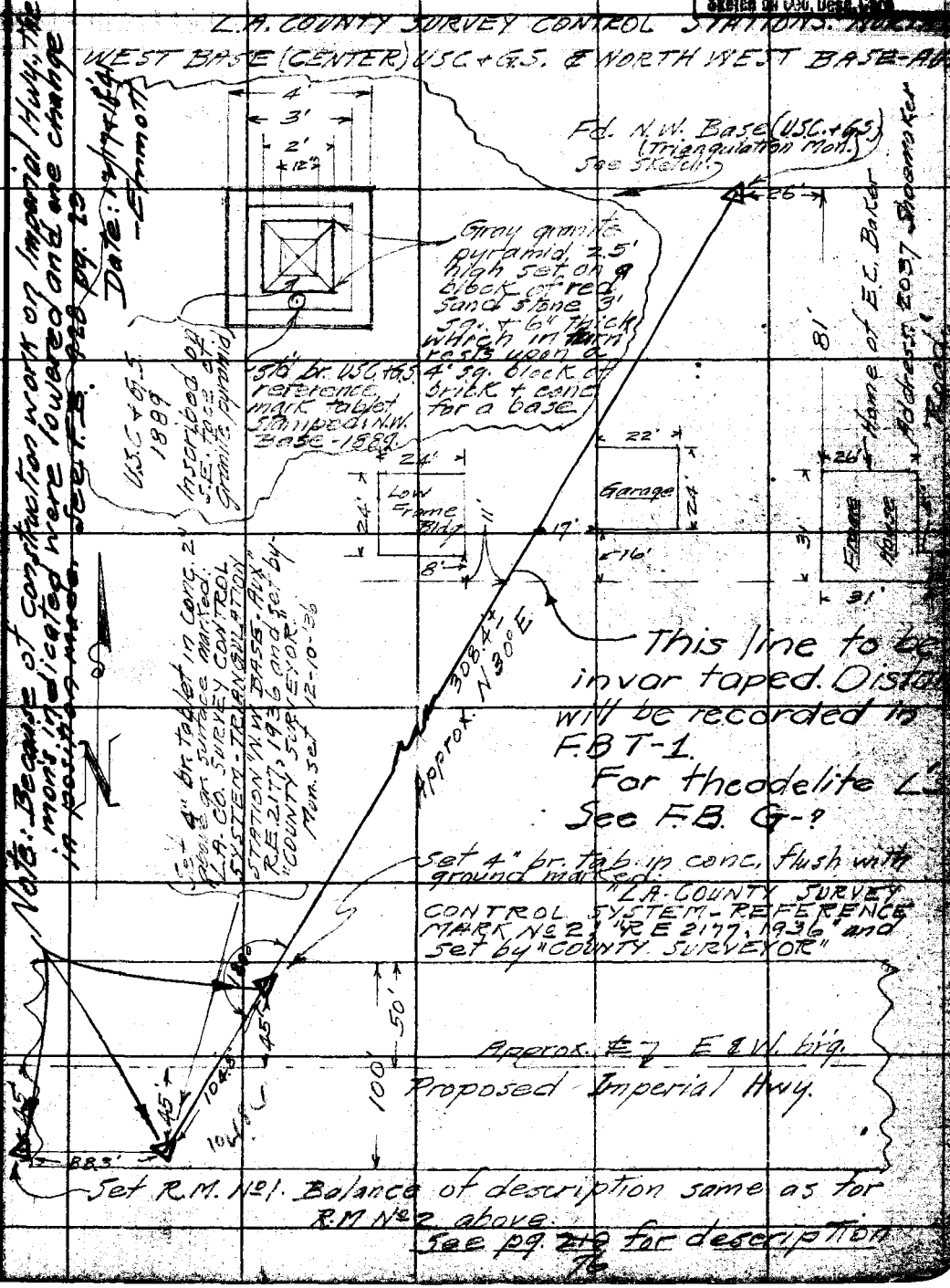
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line
Note: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN Red Ink WITH DATE AND NAME OF PERSON MAKING CHANGE.

Notes Ck'd by	Survey of Cont. Sys. - L. Beach Area
Map No.	W. O. 4911 Tape No. St'd. °F.
Office Work	Surveyed by S.E. Butler
Checked	Notes Kleineck Date 12-10-36
Date	Indexed A. C. Johnson

F.B. 696 Pg.

W.S. 33

Noted on Div. Index Card
Placed on ... Quad. Shts.
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card



Note: Because of construction work on Imperial Hwy., the mon's indicated were lowered and one change in position made. See F.B. 928 pg. 23

Note: ANY ADDITIONS OR CHANGES OF THIS SHEET MUST BE MADE OR CIRCLED IN Red Ink. WITH DATE AND NAME OF PERSON MAKING CHANGE.

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

F.B. 696 Pg. ~~56~~ 76

Dec. 14-'36
Kleineck

-DESCRIPTION-

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION-"NORTH WEST BASE-AUX."

In L.A. Co. about one mile S.E. of Norwalk State Hospital, about 1½ miles N.E. of town of Norwalk and one mile So. of S.Ely limits of Sante Fe Oil Field on E.C. Baker Ranch 800'± W. of Shoemaker Road on proposed Ely projection of Imperial Hwy.

308.4'± approx. S. 30°W from N.W. Base-Ctr. (U.S.C. + G.S.) Sta.

45.0' So. of approx. ℄ of proposed location of Imperial Hwy

Sub Surface Mark:- Set 44" below surface tablet [illegible] plug and copper [illegible] in a conc. cylinder approximately 16" in dia. x 10" deep and separated from surface monument by an 8" loam cushion.

Surface Mark:- Set a 4" brass tablet in conc. 2" above ground. Surface marked: "L.A. COUNTY SURVEY CONTROL SYSTEM-TRIANGULATION STATION" and stamped: "N.W. BASE-AUX., 1936, R.E. 2177" and set by "COUNTY SURVEYOR"

See page ~~209~~ 75 for sketch.

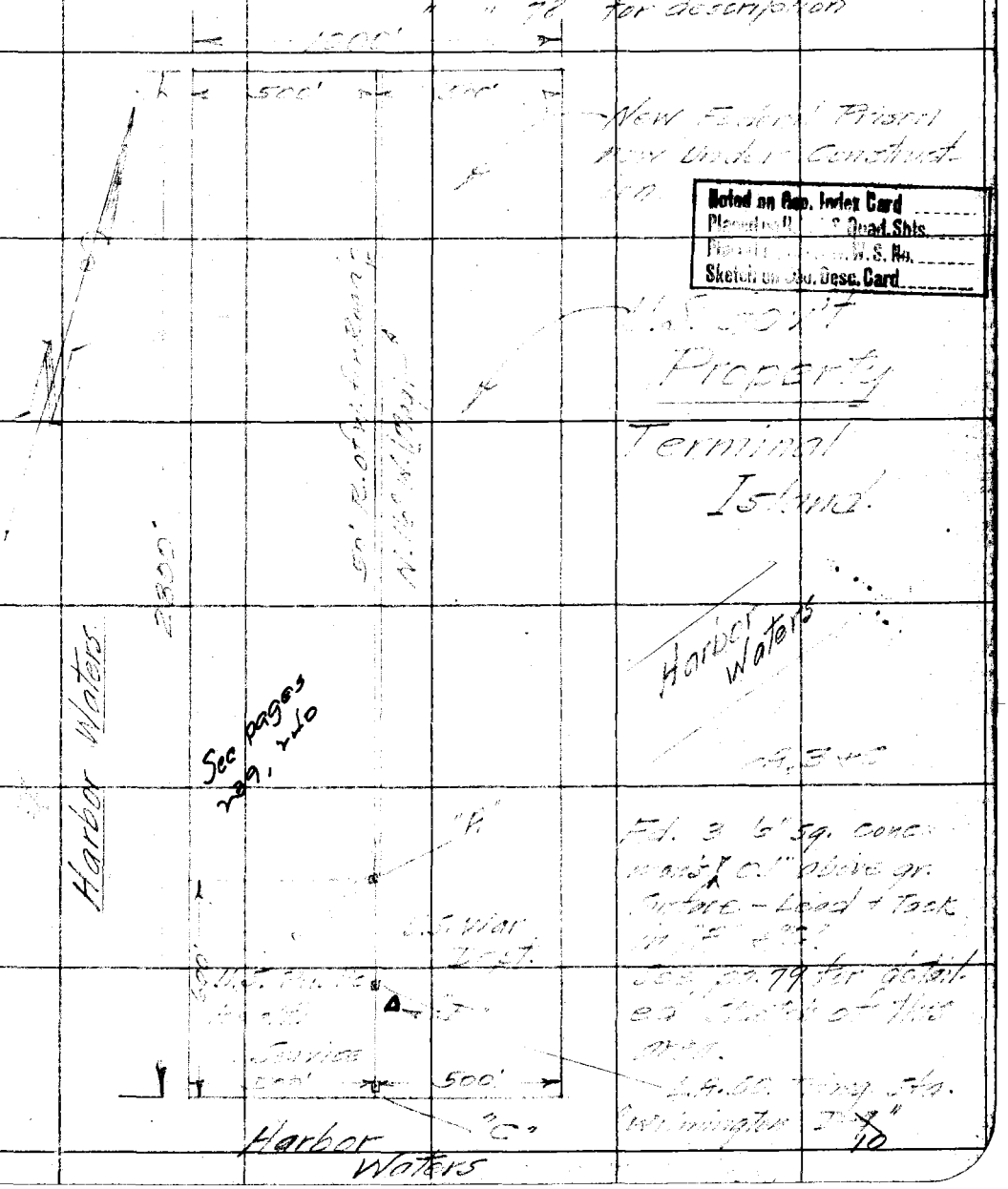
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line

Note: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN Red Ink. WITH DATE AND NAME OF PERSON MAKING CHANGE.

Notes Ck'd by	Survey of [illegible]	F.B. [illegible] Pg. 77
Map No.	W. O. 4911 Tape No. 064 St'd 84°F.	
Office Work	Surveyed by [illegible]	W.S. 29
Checked	Notes [illegible] Date [illegible]	
Date	Indexed A. C. Johnson	

L.A. CO. SUR. CONT. TRIANG. STA.
"WILMINGTON D-10" - "RESERVATION POINT" -
TERMINAL ISLAND

See pg. 79 for further details.
" " 78 for description



Noted on Geo. Index Card
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Placed [illegible] W.S. No.
Sketch on Geo. Desc. Card

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 6[illegible] PG. ~~58~~ 78

Kleineck.

~DESCRIPTION~

L.A. CO. S. B. CONT. TRIANG. STA. "WILMINGTON I-~~8~~ 10"

In L.A. Co. on "Reservation Point", S.ly end of Terminal Island, San Pedro Rock

See pages 239, 240

1803' E. of [illegible] 1815' [illegible] on [illegible] 5g. [illegible] E. of the [illegible] [illegible] 2 [illegible] [illegible] of [illegible] N.E. [illegible] of [illegible] 6" [illegible] [illegible]

[illegible] of the U.S. Govt [illegible] E. of above [illegible]

[illegible] let a lead plug [illegible] 6" [illegible]

[illegible]

-12

Card checked [illegible]

See pgs 77 + 79 for Sketches.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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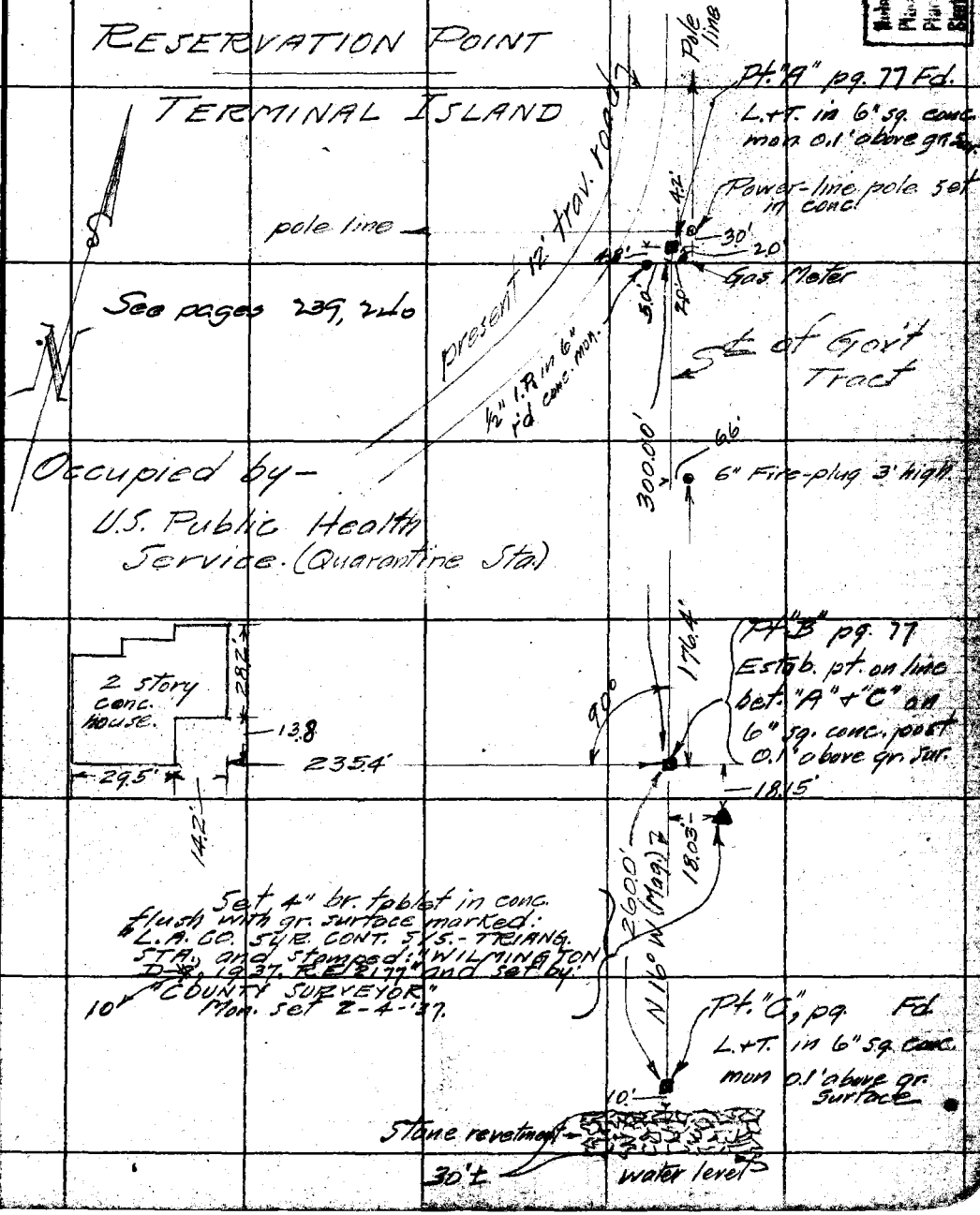
Notes Ck'd by	Survey of Cont. Sys - Long Beach
Map No.	W. O. 4911 Tape No. St'd °F.
Office Work	Surveyed by S.E. Butler
Checked	Notes Kleineck Date 2-4-'37
Date	Indexed A. C. Johnson

F.B. 696 PG. 77

W.S. 29

Noted on Plan Index Card
Placed on U.S. Guard Stats.
Placed on Sec. Div. W.S. No.
Sketch on Plan Sheet

L.A. CO. SUR. CONT. TRIANG STA. -
"WILMINGTON D-~~8~~ 10" -
See pg. 77 for general sketch



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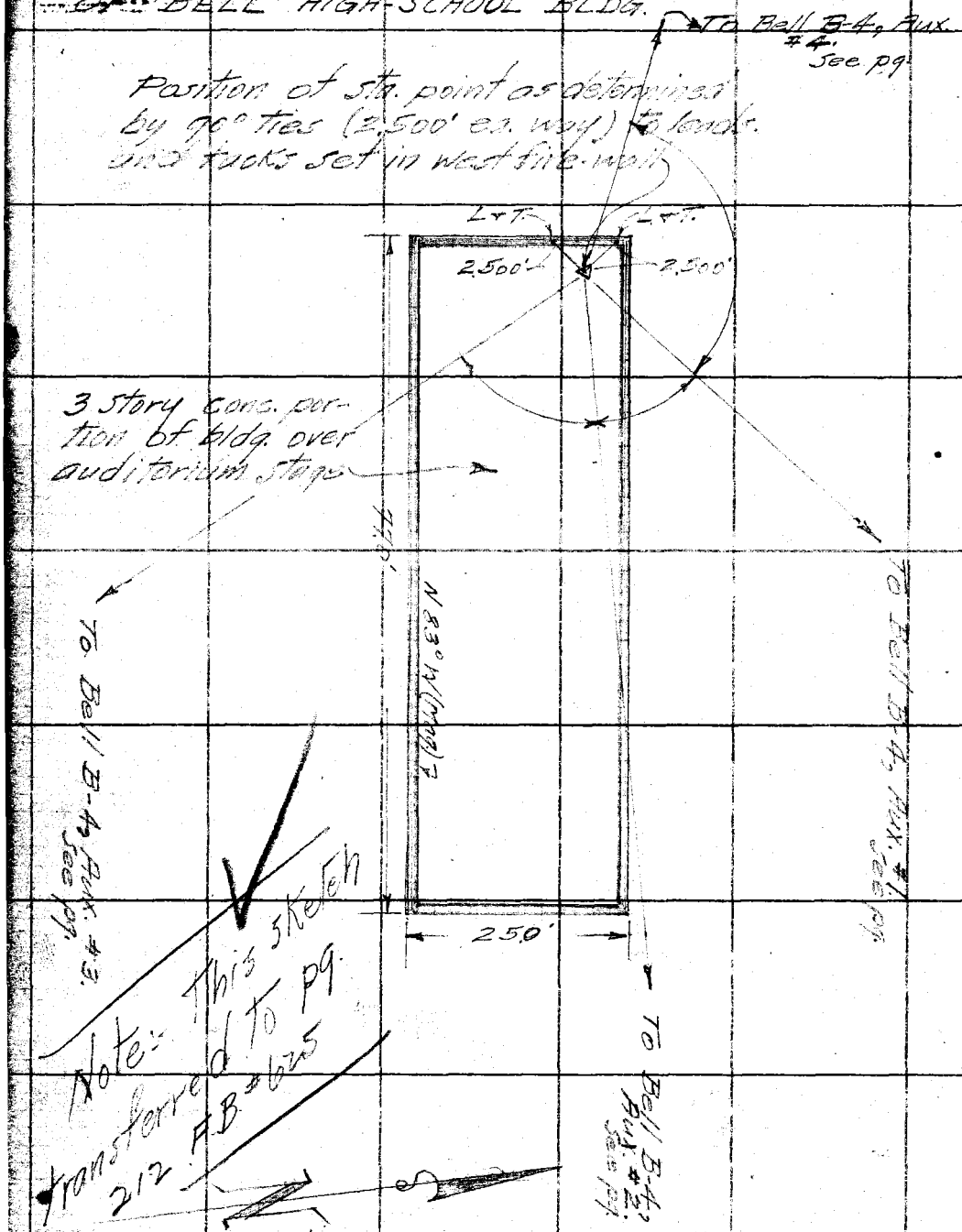
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 8-31

F.B. 696 Pg. 80

Kleineck
2-4-'37

L.A. CO. SUR. CONT. TRIANG. STA.-
BELL B-4, CTR. AND SKETCH OF A PORTION
OF BELL HIGH-SCHOOL BLDG.



Note: This sketch transferred to pg. 212 F.B. #625

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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 CITY OF LONG BEACH
Map No.	W. O. 4911 Tape No. 064 St'd 4 F.
Office Work	Surveyed by BUTLER, S.E.
Checked	Notes GRANGUIST Date 2-23-37
Date	Indexed A. C. Johnson

F.B. 696 PG. 53

Noted on Geo. Index Card
Plotted on U.S.C.&G.S. Quad. Shts.
Plotted on State Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL SYSTEM.

TRIANGULATION STATIONS: WILMINGTON J-5.

WILMINGTON J-5 AUX. NO. 1.
" U.S.
" J-3
" J-4
" J-4-A.
" J-5-A.

ANAHEIM.

CUSHING AVE.
FOOTE AVE
S. P. R.R. ST

L.A. Co. Surv. WILMINGTON I-3 FOR DETAIL SKETCH SEE F.B. 696 - PG. 87

Note: For theodolite L's See F.B. G-?

Base line to be invar taped Record in F.B. T-1

Bdy
Bdy
E. 184.
C.L. P.R. LINE
C.L. P.R. LINE
LOS ANGELES RIVER
LOS ANGELES RIVER
EAST CHANNEL
SLIP 2
SLIP 3
7TH ST.
WATER ST.
West Ocean Blvd
BRIDGE AVE
DRAW Bridge
CERRITOS
CHANNEL
BASE LINE
DOCK ST.
U.P.R.R.Y.
PACIFIC
OCEAN.

WILMINGTON J-4 FOR DETAIL SEE PG 93 F.B. 696

WILMINGTON J-4-A. FOR DETAIL SEE PG 89 F.B. 696

WILMINGTON J-5-A FOR DETAIL SEE PG 93 F.B. 696.

WILMINGTON H-5 FOR DETAIL SEE PG 85 F.B. 696

So. Cal. Edison Co. Steam Plant #2.

WILMINGTON J-5, AUX. #1 FOR DETAIL SEE PG 83

WILMINGTON J-5 FOR DETAIL SEE PG 83 F.B. 696

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

Do not extend notes this side of this line

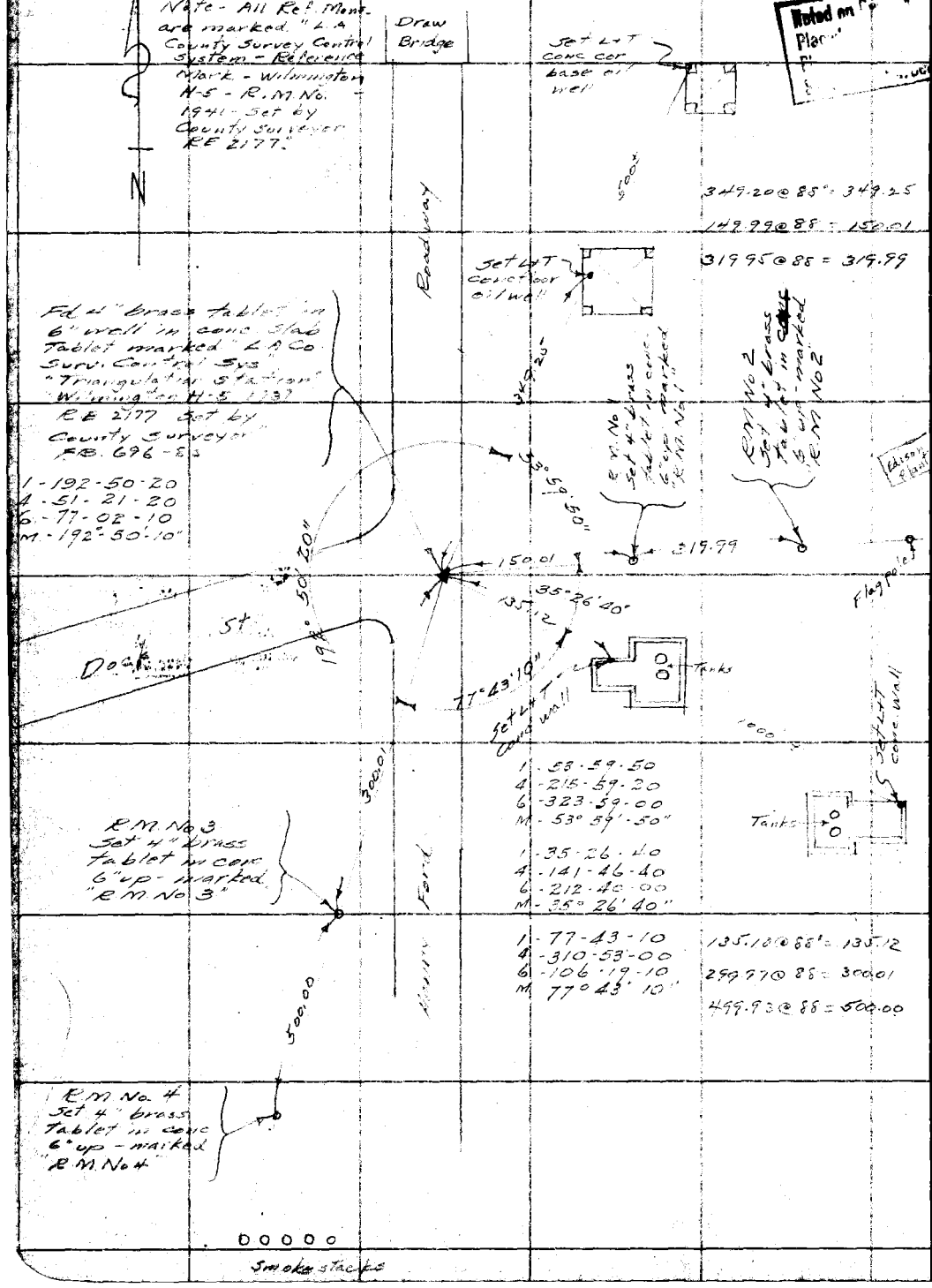
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. ~~54~~ 82

W.S. 28

Referencing L.A County Survey Control Triangulation Station WILMINGTON H-5



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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.

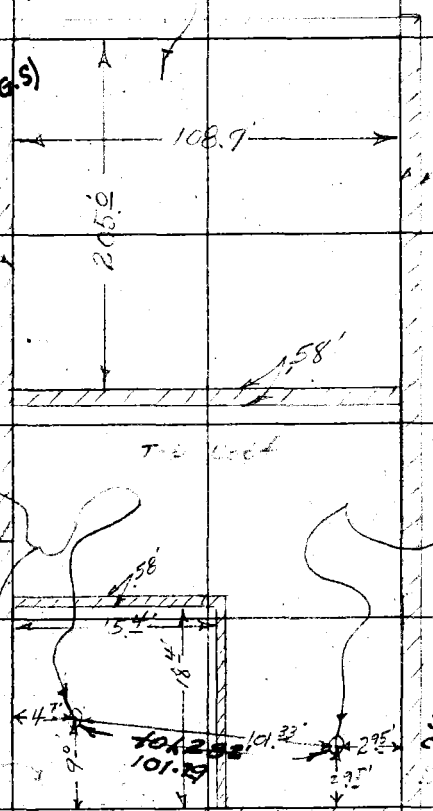
Notes Ck'd by	Survey of City of Long Beach	F.B. 696 Pg. ~~55~~ 83
Map No.	W. O. 4911 Tape No. 064 St'd. °F.	
Office Work	Surveyed by [illegible]	W.S. 30
Checked	Notes GRANQUIST Date 2-11-37	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION.
WILMINGTON J-5 AND
AUXILIARY STATION -
WILMINGTON J-5 AUX. No 1.

See pg. 81

LONG Beach So. Calif. Edison PLANT. STRUCTURE-"B" PLANT No 2
Roof Plan.

TIES TO AUX. STA. "PLANT" (U.S.C.&G.S) See Pg. 251



For ∡'s See F.B. G-115/1.

For ∡'s See F.B. G-112/31.

SET A 4" Brass Tablet in Conc. Roof Marked "L.A. COUNTY SURVEY CONTROL SYSTEM" "TRIANGULATION STATION." AND Stamped: WILMINGTON J-5 AUX. No 1. 1937. RE 2177. SET BY COUNTY SURVEYOR.

Set A 4" Brass Tablet in Conc. Roof Marked: "L.A. COUNTY SURVEY CONTROL SYSTEM." "TRIANGULATION STATION." AND Stamped: WILMINGTON J-5 R.E. 2177. 1937. set by COUNTY SURVEYOR.

Steel tape corrected .01" per 100'
H.N.B.

Top of Elev. Shaft 14' Above Roof Main Bldg.

Slope Dist.		Ver. No	Vert. ∡	Aver. Vert. ∡	Corr. Dist.
99.782'	@	I.	100°28'30"	10°28'30"	98.119'
"	@	II.	280°28'30"		
99.559	@	I.	99°44'20"	9°44'20"	98.124'
"	@	II.	279°44'20"		Aver. 98.122'

98.122' + 3.160' (level) = Total

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Noted on Gen. Index Card
Placed on U.S.C.&G.S. Quad. Shts.
Placed on Sec. Div. W.S. No.
Sketch on Gen. Desc. Card

FORM 247 10M 11-35

F.B. 696 PG. ~~56~~ 84

L. A. COUNTY SURVEY CONTROL
TRIANGULATION STATION
WILMINGTON J-5. AND
AUXILIARY STATION -
WILMINGTON J-5. AUX. No-1.

IN L. A. CO., CITY OF LONG BEACH
E-END OF ROOF OF LONG BEACH [illegible]
EDISON CO. STEAM PLANT STRUCTURE
"B" PLANT NO-2. ON EASTERLY END
OF TERMINAL ISLAND. NORTH AND
EAST OF SEASIDE AVE. AND 27TH ST.

SURFACE MARK:
SET A 4" BRASS TABLET IN CONC. ROOF
MARKED: "L. A. COUNTY SURVEY
CONTROL SYSTEM."
TRIANGULATION STATION. AND
STAMPED: WILMINGTON J-5. 1937. RE-
2177. SET BY COUNTY SURVEYOR.

SURFACE MARK:
SET A 4" BRASS TABLET IN CONC
ROOF. MARKED: "L. A. COUNTY SURVEY
CONTROL SYSTEM. TRIANGULATION
STATION. AND STAMPED: WILMINGTON
J-5. AUX. No 1. 1937. RE 2177. SET BY
COUNTY SURVEYOR.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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

85

S 69° W.

Notes Ck'd by	Survey of
Map No.	W. O. 4211 Tape No. 137 St'd. °F.
Office Work	Surveyed by
Checked	Notes Date 3-8
Date	Indexed C. Johnson

F.B. 67 Pg. 57

H-5

W.S. 28

L.A. COUNTY SURVEY CONTROL

TRIANGULATION STATION

WILMINGTON H-5

See pg 81

Posted on Geo. Index Card
Placed on U.S.C. & G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

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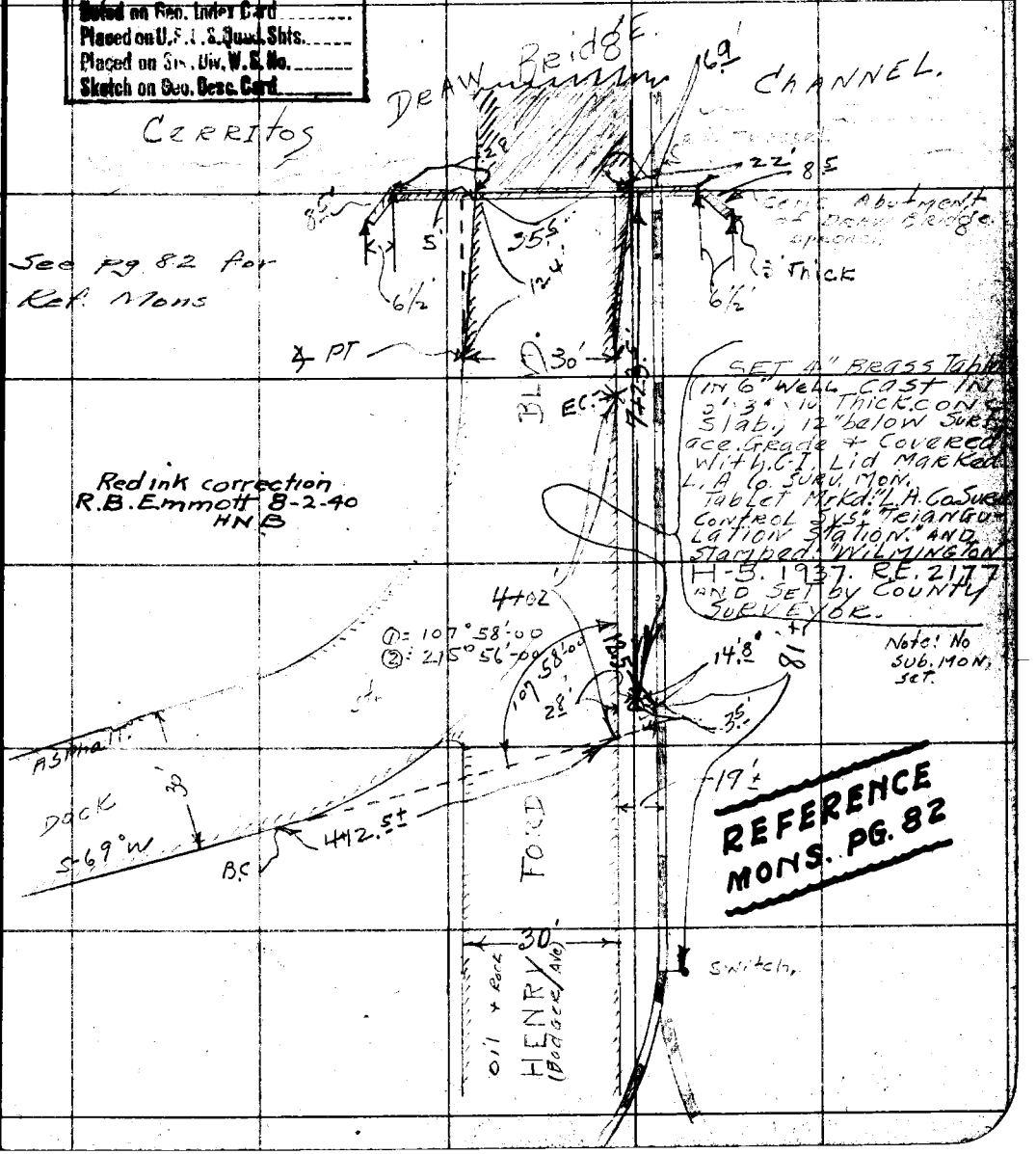
Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-38



F.B. 696 PG. ~~58~~ 86

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION.
WILMINGTON H-5.

IN L.A. COUNTY: CITY OF LONG BEACH. SOUTHEAST OF INTERSECTION OF DOCK ST AND HENRY FORD BLVD.

3.5' NORTH of SOUTH EDGE OF CONC. PAVEMENT [illegible] EAST
18.0± EAST OF APPROX. [illegible] BLVD

723± South from South Conc Abutment Wall of DRAW BRIDGE HENRY FORD BLVD & CERRITOS CHANNEL.

SURFACE MARK:

SET A 4" BRASS TABLET IN CONC. (IN WALL CAST IN 3'x3'x10" THICK CONC. SLAB) 12" Below Surface Grade and Covered With GI LID Marked: L.A. Co. Surveyor Mon.
Tablet Marked: "L.A. County SURVEY CONTROL SYSTEM." "TRIANGULATION" STATION. AND STAMPED: "WILMINGTON H-5" 1937. R.E. 2177. SET by COUNTY SURVEYOR.

Note: No SUBSURFACE MARK SET.

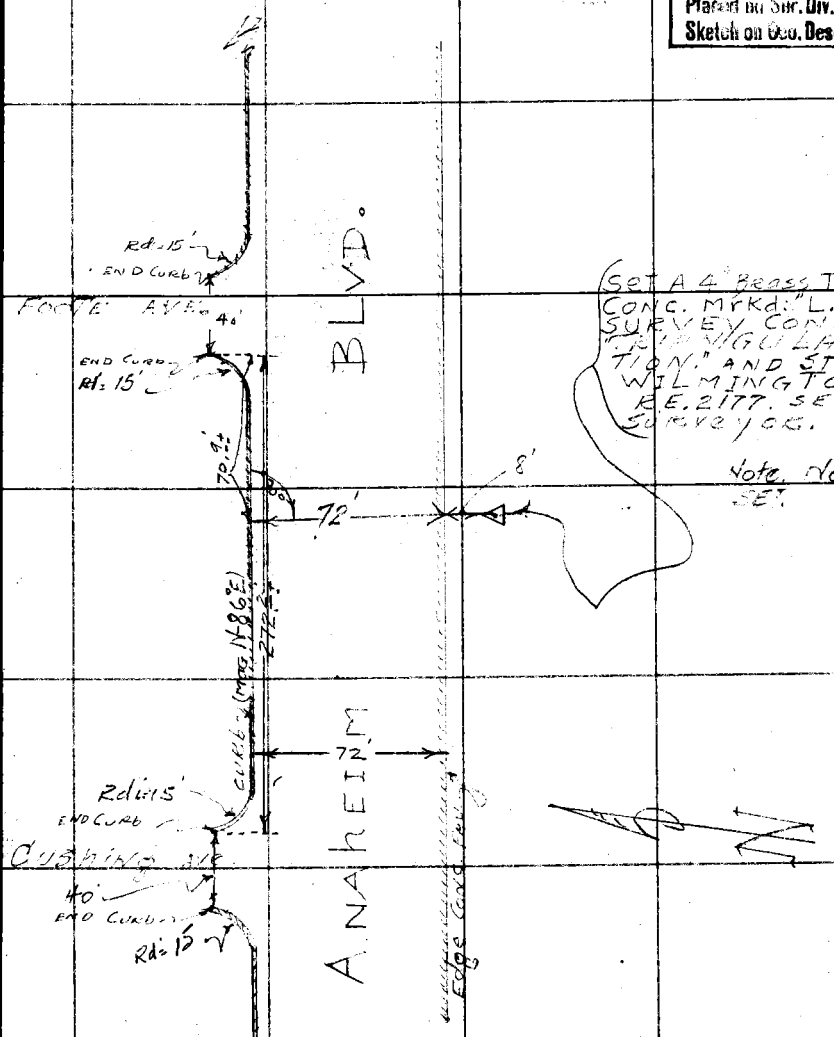
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of City of Long Beach	F.B. 696 Pg. 87
Map No.	W. O. 4911 Tape No. 137 St'd °F.	W.S. 28 ✓
Office Work	Surveyed by But Lark S.E.	
Checked	Notes GRANQUIST Date 2-5-37	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION.
WILMINGTON I-3.

See pg. 81

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



SET A 4" BRASS TABLET IN CONC. MRKD: "L.A. COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION." AND STAMPED: WILMINGTON I-3, 1937 R.E. 2177. SET by COUNTY SURVEYOR.

Note. No Sub. MON SET.

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 88 82

L.A. SURVEY CONTROL

TRIANGULATION STATION.
WILMINGTON I-3.

IN L.A. CO. IN CITY OF L.A. AND WEST OF CITY OF LONG BEACH.
ON SOUTH SIDE OF ANAHEIM BLVD. BETWEEN CUSHING AVE AND FOOTE AVE.

71 FT. WEST OF WEST CURB OF FOOTE AVE. AND 80 FT. SO OF NORTH CURB OF ANAHEIM AVE.

SURFACE MARK:
SET A 4" B. TABLET IN CONC. 1.0 FT ABOVE GUTTER FLOW LINE GRADE AND FLUSH WITH GRD. MARKED:
L.A. COUNTY SURVEY CONTROL SYSTEM. TRIANGULATION STATION. AND STAMPED: WILMINGTON I-3.
1937. NE. 2" SET BY COUNTY SURVEYOR.

No SUBSURFACE MARK SET.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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Notes Ck'd by	Survey of City of Long Beach
Map No.	W. O. 4911 Tape No. 56 St'd ·F.
Office Work	Surveyed by Butler SE.
Checked	Notes GRANQUIST Date 2-10-37
Date	Indexed C. Johnson

F.B. 696 PG. 64

Noted on Geo. Index Card
Placed on U. S. G. S. Quad. Shts.
Placed on Co. Div. W. S. No.
Sketch on Geo. Index Card

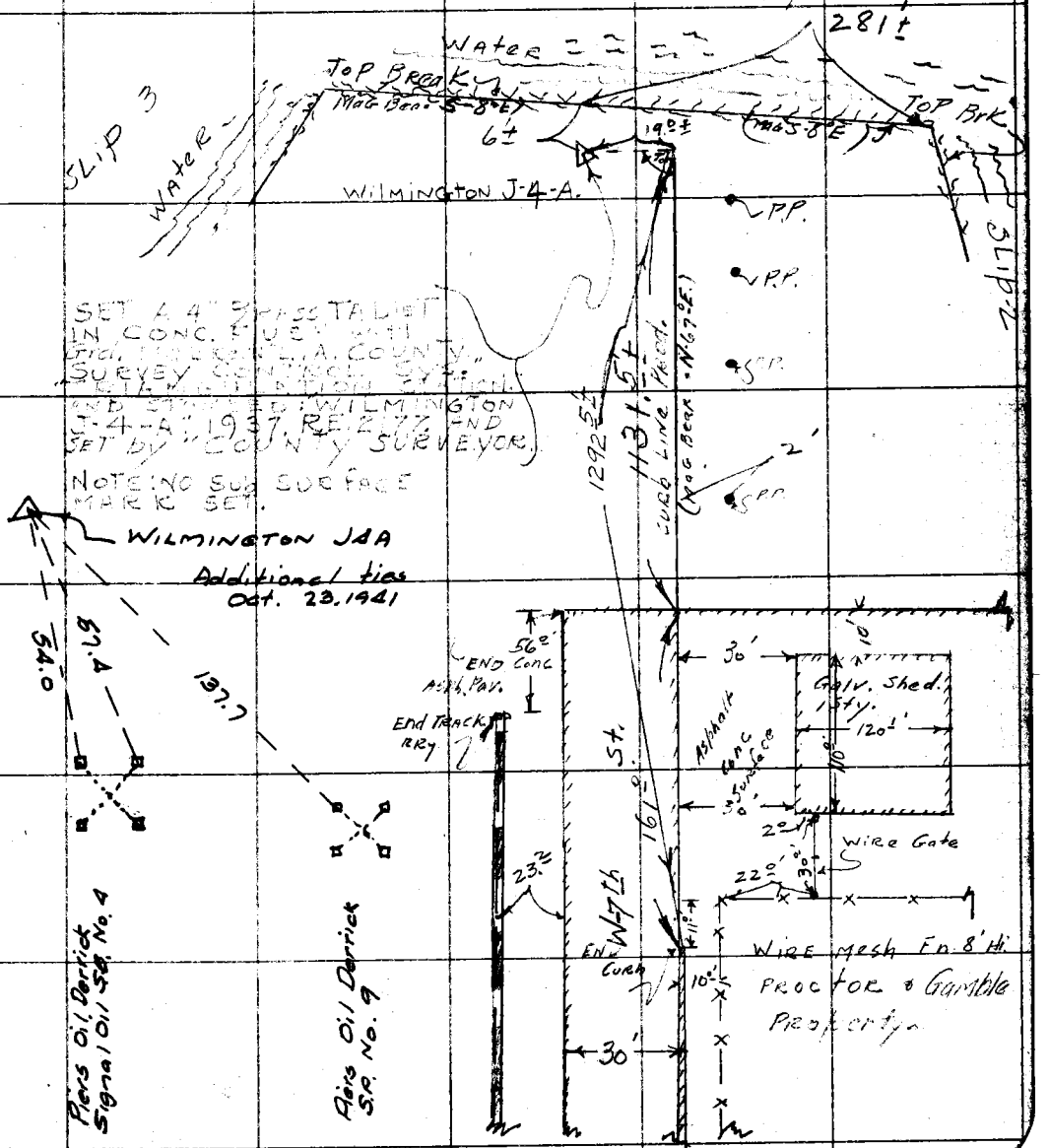
L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION
"WILMINGTON-J-4-A."

See sht. 81.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS



FORM 247 10M 11-35

F.B. 696 PG. 62

90

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION
"WILMINGTON ~ J-4-A.

IN L.A. Co., CITY OF LONG BEACH.
WEST END OF W-7TH STREET AND EAST SHORE OF CERRITOS CHANNEL BETWEEN SLIP NO 2 AND SLIP NO 3. HARBOR DISTRICT.

1292 5/± WEST OF END OF NORTH CURB OF WEST 7Th. STREET.
19.0± SOUTH OF NORTH CURB OF WEST 7-TH. STREET PROD. WEST.
AND 260± SOUTH OF SOUTH BANK OF SLIP NO 2.
6'± FROM EAST SHORE BANK OF CERRITOS CHANNEL.

SURFACE MARK:
SET A 4" BRASS TABLET IN CONCRETE 2" ABOVE SRD. SURFACE MARKED: "L.A. COUNTY SURVEY CONTROL SYSTEM." "TRIANGULATION STATION AND STAMPED: "WILMINGTON J-4-A. 1937. R.E. 2177." SET by COUNTY SURVEYOR.

No. Sub SURFACE MARK SET.

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

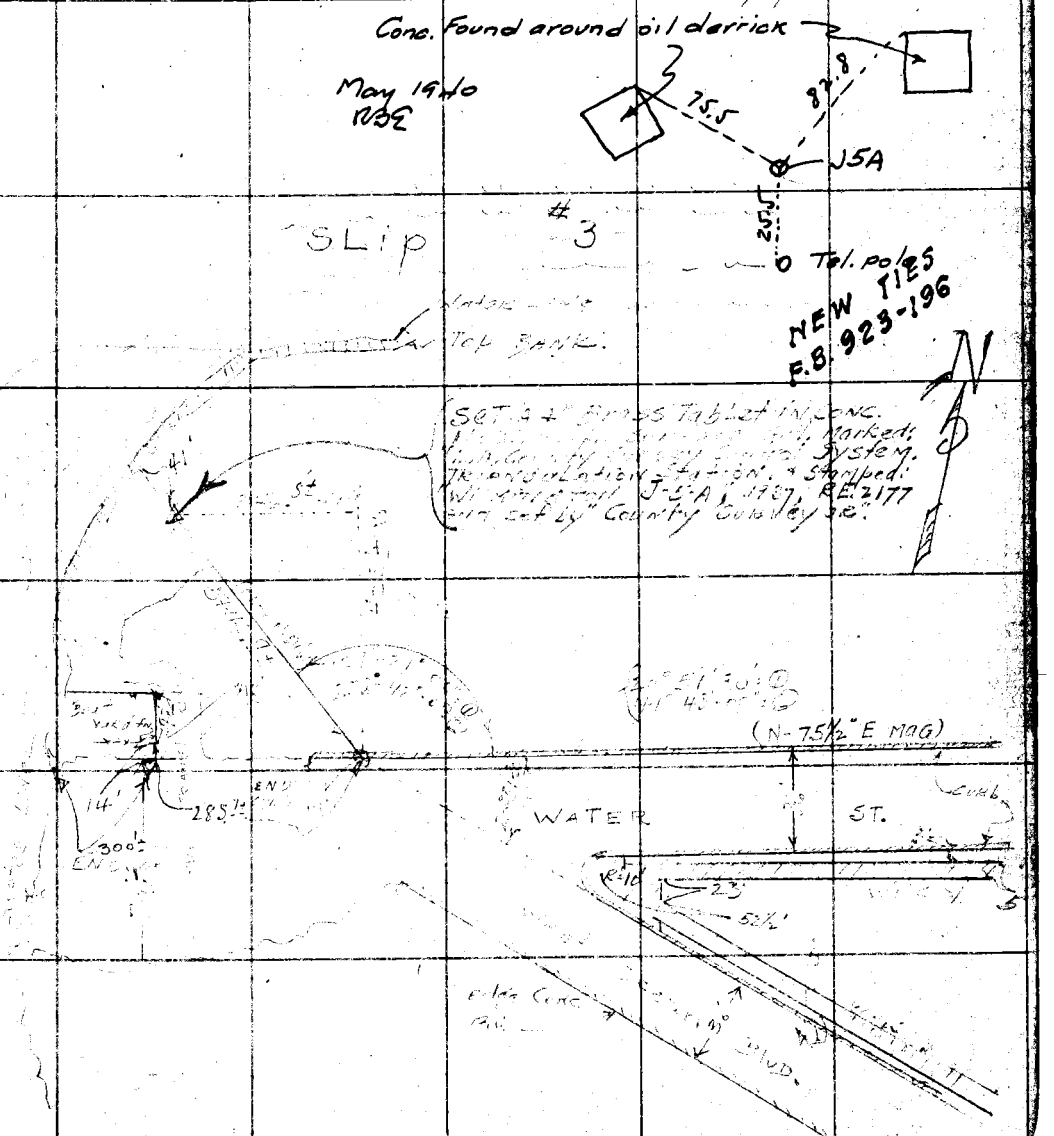
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of City of Long Beach	F.B. 696 Pg. 63
Map No.	W. O. 4911 Tape No. 137 St'd °F.	Noted on Geo. Index Card
Office Work	Surveyed by Butler, [illegible]	Placed on U.S.G.S. Quad. Shts.
Checked	Notes Grand [illegible] Date 2-5-37	Placed on Sur. Div. W.S. No.
Date	Indexed [illegible]	Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION "WILMINGTON-J-5-A."

See pg. 81



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. ~~64~~ 92

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION "WILMINGTON J-5-A."

IN L.A. Co., CITY OF LONG BEACH.
IN SUBJECT OF [illegible] NORTH [illegible]
AND [illegible] INTERSECT [illegible]
CURB [illegible] PEDESTRIAN WAY AND
NORTH CURB OF WATER ST.

SURFACE MARK:
SET A 4" BRASS TABLET IN CONC. FLUSH
WITH GRD SURFACE MARKED "L.A.
COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION" AND
STAMPED "WILMINGTON J-5-A." 1937.
R.E. 2177. SET BY "COUNTY SURVEYOR."
Note: No Sub surface set.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line

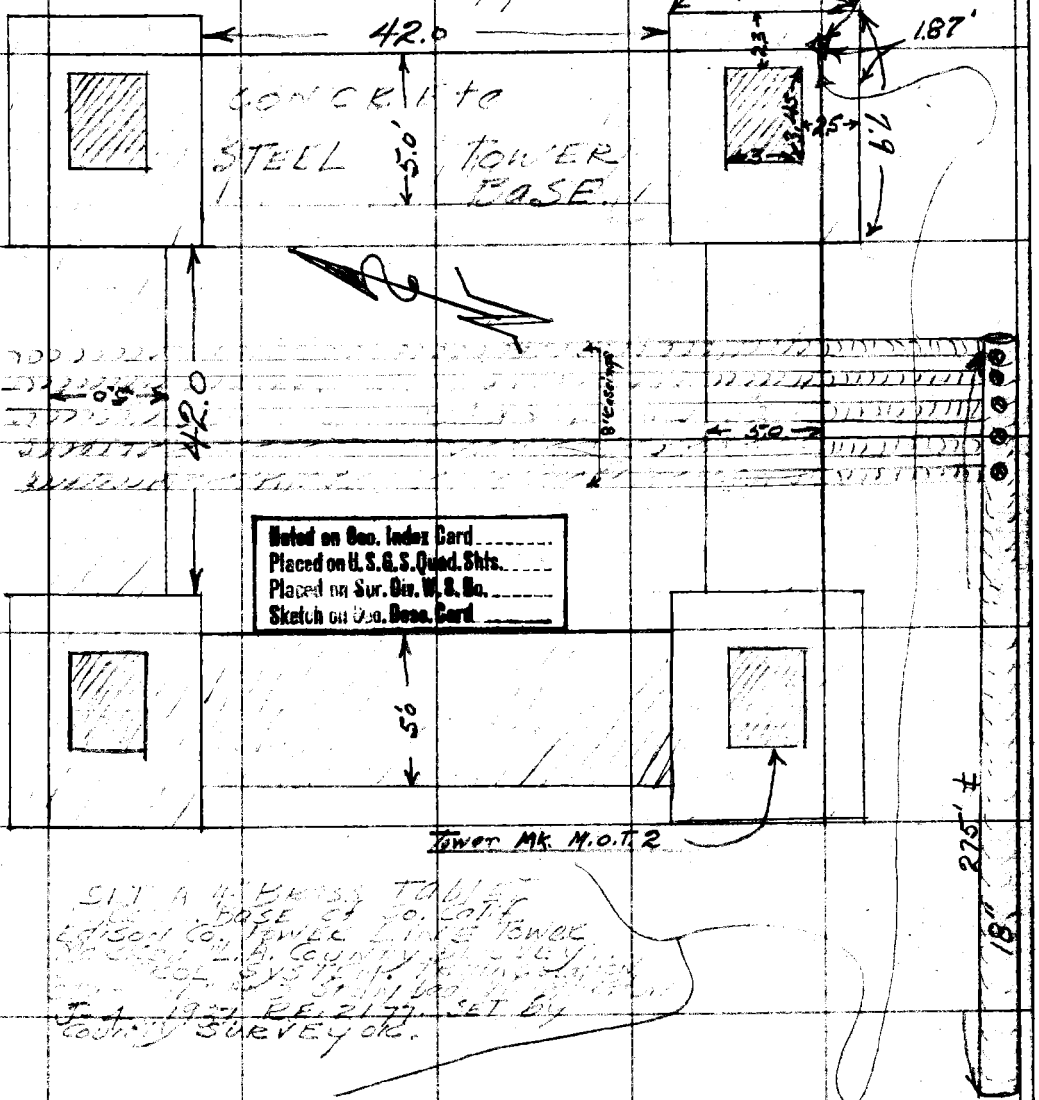
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of City of Long Beach
Map No.	W. O. 4913 Tape No. 137 St'd °F.
Office Work	Surveyed by Butler SE
Checked	Notes D.W. Reynolds Date 2-10-37
Date	Indexed

F.B. 696 Pg. 65 93

W.S. 30

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION
WILMINGTON 1-J-4.
See pg. 81.



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Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

SET A 4" BRASS TABLET
BASE OF SO. CALIF.
EDISON CO. TOWER LINE TOWER
[illegible] L.A. COUNTY SURVEY
[illegible] SYSTEM [illegible]
[illegible] 1937 RE. 2177. SET BY
COUNTY SURVEYOR.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. ~~66~~ 94

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION
"WILMINGTON J-4"

IN L.A. CO. IN CITY OF LONG BEACH. ON [illegible] ONLY ENT OF TERMINAL ISLAND, [illegible] HENRY FORD [illegible] AND NORTH OF SEASIDE AVE. ON EAST SOUTHWESTERLY BASE OF SO. CALIF. EDISON CO. POWER LINE STEEL TOWER. ON SOUTH SHORE OF CERRITOS CHANNEL, AND NORTH OF LONG BEACH SO. CALIF. EDISON CO. STEAM PLANT.

1.87± No. of South Edge of Conc Base.
1.86± West of East Edge of Conc Base.

SURFACE MARK:

SET A 4" Br. TABLET IN TOP OF CONC POWER LINE STEEL TOWER BASE MARKED: "L.A. COUNTY SURVEY CONTROL SYSTEM" "TRIANGULATION STATION". stamped: WILMINGTON J-4. 1937. R.E. 2177. SET BY: COUNTY SURVEYOR.

No Sub.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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696-95

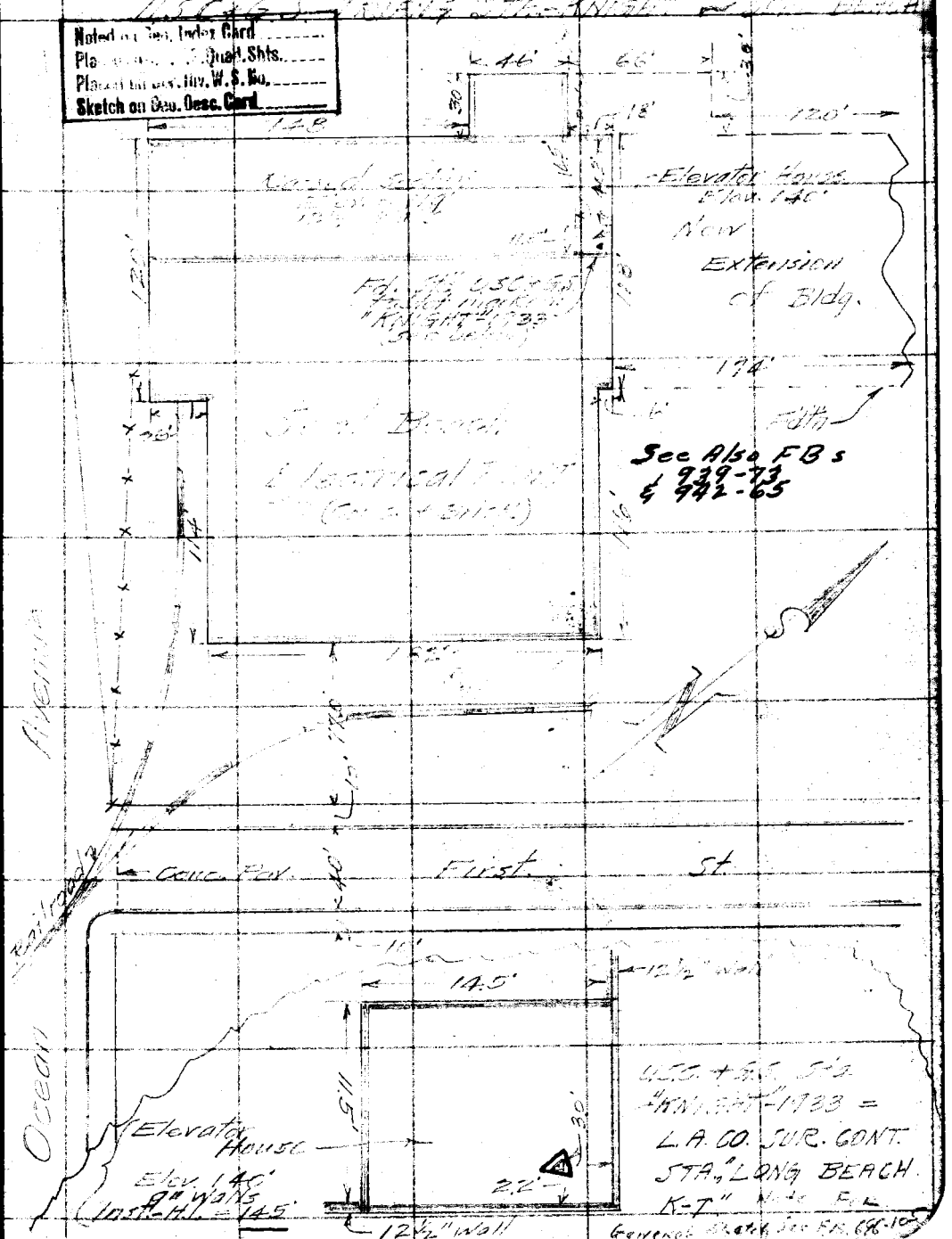
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4911 Tape No. St'd °F.
Office Work	Surveyed by [illegible]
Checked	Notes Klemrock Date 2-15-[illegible]
Date	Indexed

Area F.B. 696 Pg. 95

W.S. 31

See pg. 105.

Noted on Geo. Index Card
Placed on [illegible] Quad. Shts.
Placed on Geo. Div. W.S. No.
Sketch on Geo. Desc. Card



General Sketch See F.B. 696-105

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 96

[illegible]
2-15-37

~DESCRIPTION~

U.S.C. + G.S. TRIANGULATION STATION "[illegible]" [illegible] SUR. CONTROL TRIANG. STA. "LONG BEACH K-7"

In Orange Co. at Seal Beach on [illegible] of elevator shaft house, highest part of [illegible] previously owned by Edison Co., now by L.A. Bureau of Water + Power since 2-1-'37.

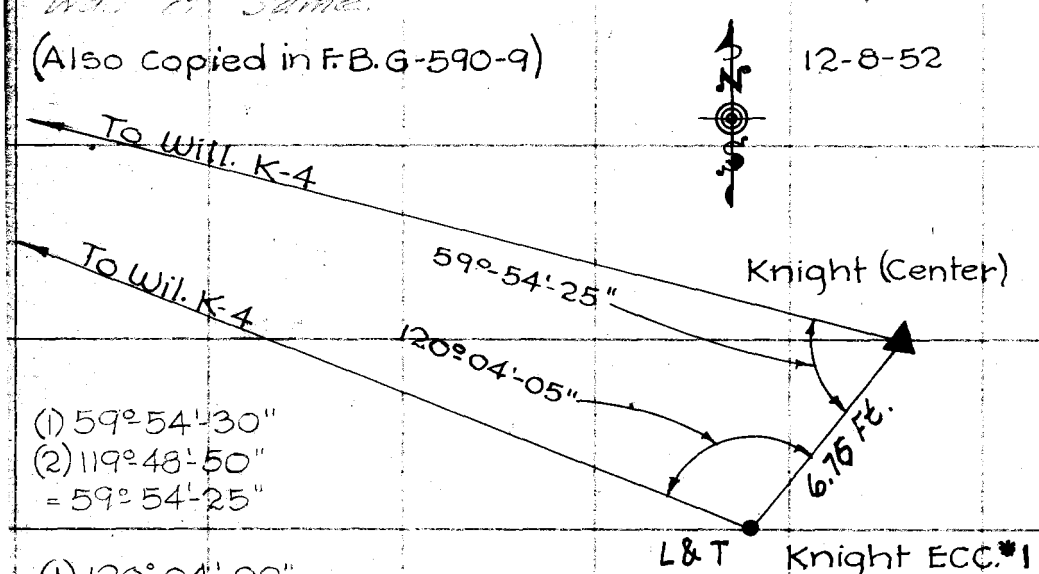
[illegible] in good condition [illegible] U.S.C. + G.S. [illegible] set flush [illegible] roof stamped "KNIGHT", 1933.

3.0' S.ly from [illegible] face of [illegible] fire wall top of elevator shaft house.

2.2' W.ly from [illegible] face of E.ly fire wall of same.

(Also copied in F.B. G-590-9)

12-8-52



(1) 59°-54'-30"
(2) 119°-48'-50"
= 59°-54'-25"

(1) 120°-04'-00"
(2) 240°-08'-10"
= 120°-04'-05"

For Knight Ecc.#2 See Page 98

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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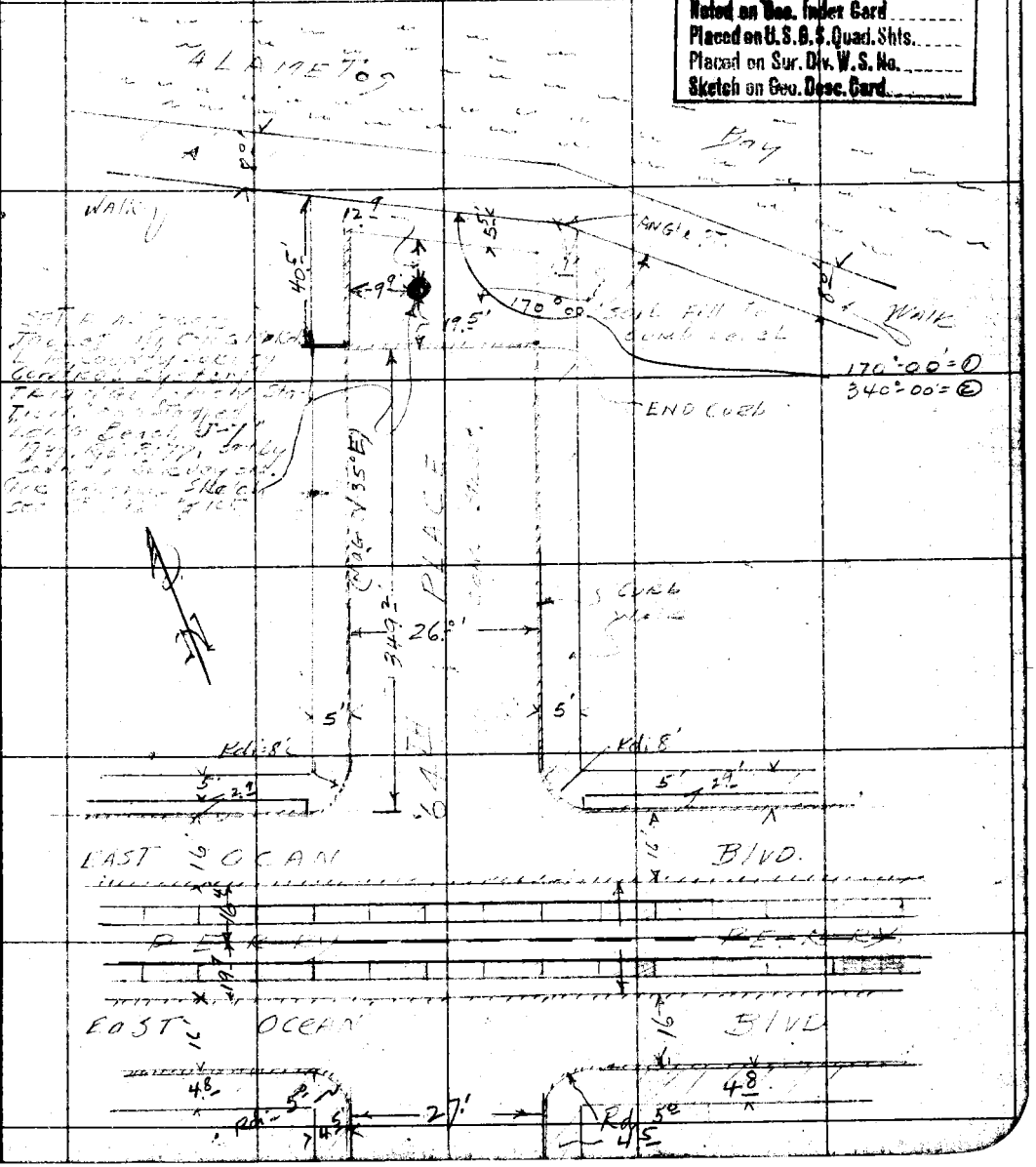
Notes Ck'd by	Survey of City of Long Beach
Map No.	W. O. 4911 Tape No. 137 St'd °F.
Office Work	Surveyed by Sut L. FR. SE
Checked	Notes GRANQUIST Date 2-15-37
Date	Indexed A. C. Johnson

F.B. 696 PG. 77

W.S. 31 ✓

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION.
"LONG BEACH - J-7." See pg. 105

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

696-98

F.B. 696 PG. 98

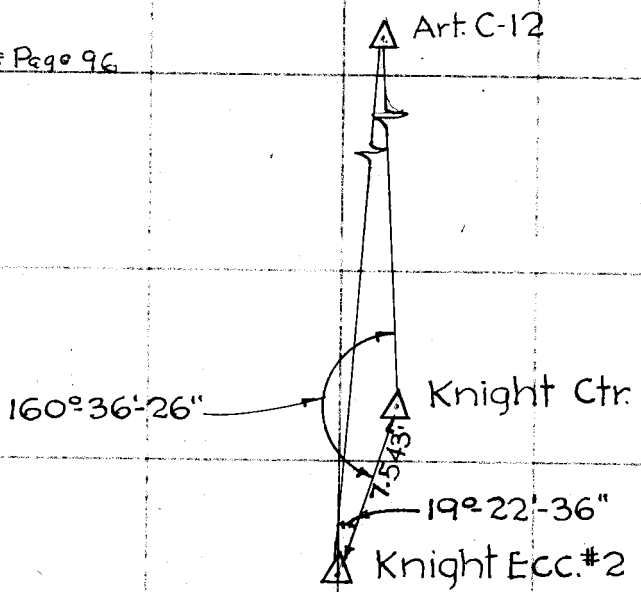
— DESCRIPTION —

L.A. CO. SUR. CONT. TRIANGULATION STA. "LONG BEACH J-7."

IN L.A. CO, CITY OF LONG BEACH, IN ALAMETOS BAY DISTRICT. ON 64TH PLACE NORTH OF EAST OCEAN BLVD. Near South. SHORE OF ALAMETOS BAY.

349' ± NORTH OF NORTH CURB OF EAST OCEAN BLVD.
10' ± EAST OF WEST CURB OF 64TH PLACE.

For ECC. #1 See Page 96



SURFACE MARK:

SET A 4" BRASS TABLET IN CONC. MARKED: L.A. COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION. AND STAMPED: LONG BEACH-J-7. 937. R.E. 2177. SET by COUNTY SURVEYOR.

SUB SURFACE MARK:

NONE SET.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

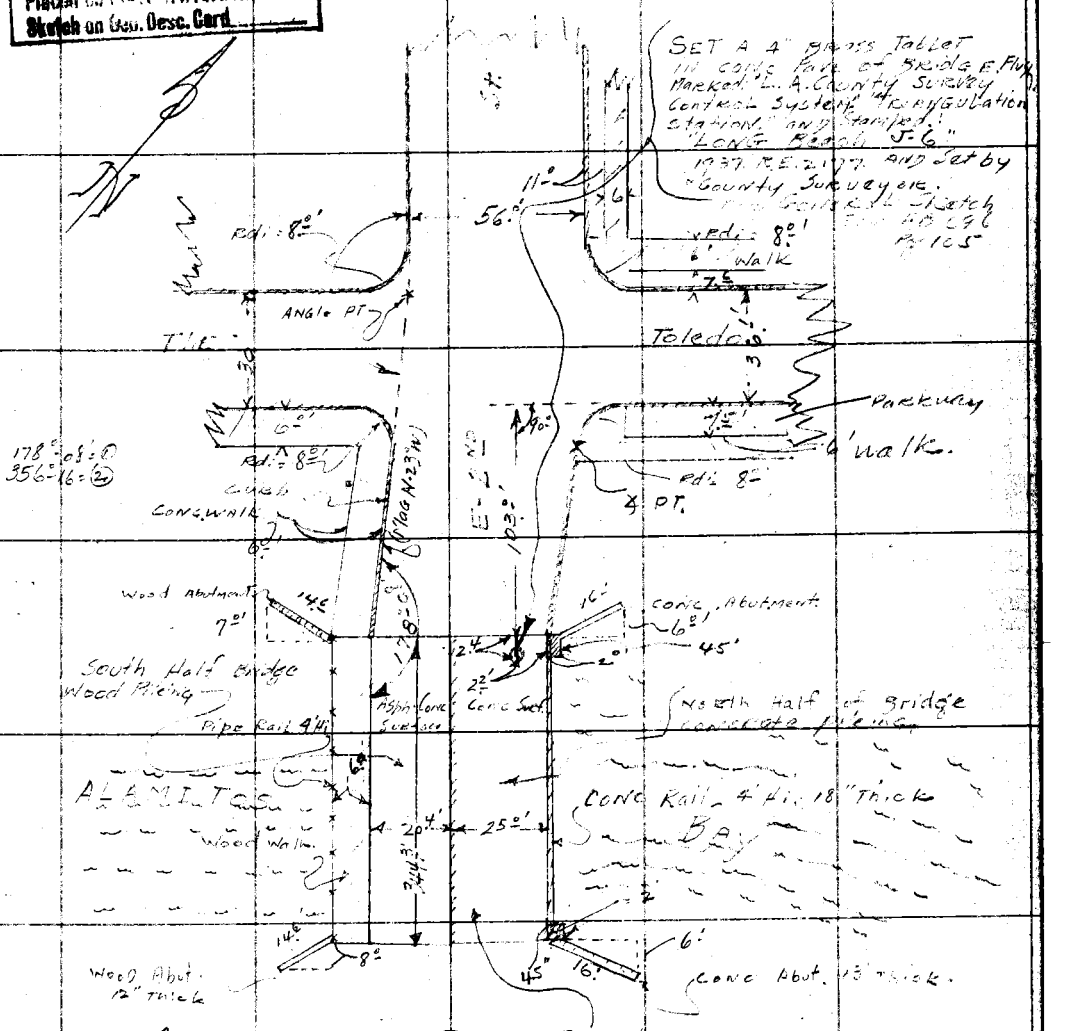
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of City of Long Beach	F.B. 696 Pg. 99
Map No.	W. O. 4911 Tape No. 064 St'd 84°F.	
Office Work	Surveyed by Butler, S.E.	W.S. 31
Checked	Notes Granquist, H.E. Date 2-16-37	
Date	Indexed L. C. Johnson	

L.A. COUNTY SURVEY CONTROL
"TRIAGULATION STATION."
"LONG BEACH J-6". See pg. 105.

Noted on Geo. Index Card
Placed on ... Quad. Shts.
Placed on ... W.S. No.
Sketch on Geo. Desc. Card



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 100

~ DISCRIPTION ~

L. A. COUNTY SURVEY CONTROL
TRIANGULATION STATION.
"LONG BEACH J-6."

IN L. A. CO, IN CITY OF LONG
BEACH. NEAR ALAMITOS BAY.
NEAR ORANGE COUNTY LINE
ON NORTH WEST CORNER OF ALAMITOS
BAY Bridge. EAST OF THE TOLEDO AND
ON SECOND ST.
2.4' EAST FROM WEST END OF BRIDGE.
2.2 SOUTH OF NORTH SIDE BRIDGE.

SURFACE MARK.
[illegible] TABLET IN LONG BRIDGE
MARKED: "L.A. COUNTY SURVEY CONTROL
SYSTEM. TRIANGULATION STATION
AND STAMPED: "LONG BEACH J-6." 1931
RE-2177 SET BY COUNTY SURVEYOR.

SUB SURFACE MARK:
NONE SET.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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 City of Long Beach	F.B. [illegible] Pg. [illegible]
Map No.	W. O. 4911 Tape No. ___ St'd ___ °F.	
Office Work	Surveyed by [illegible]	W.S. 31
Checked	Notes [illegible] Date 2-16-37	
Date	Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION
LONG BEACH L-6. See pg. 105.

Noted on Geo. Index Card ______
Placed on U.S.G.S. Quad. Shts. ______
Placed on Sec. Div. W.S. No. ______
Sketch on Geo. Desc. Card ______

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 102

- DISCRIPTION.-

L. A. COUNTY SURVEY CONTROL
TRIANGULATION STATION.
"LONG BEACH. L-6."

IN L.A. CO; IN CITY OF LONG BEACH
ON [illegible] of N.W. [illegible] of Conc. Bridge.
STATE [illegible] #101 AND L.A.Co. [illegible] CONTROL
CHANNEL OF SAN GABRIEL RIVER.
12' South of North End of Bridge.
25' West of West Curb of Bridge.

SURFACE MARK:
SET A 4" Brass Tablet in Conc.
Walk of Conc. Bridge. Marked:
"L. A. COUNTY SURVEY CONTROL
SYSTEM TRIANGULATION STATION.
AND STAMPED: LONG BEACH
1937. R.E. 2177. SET By COUNTY SURVEYOR"

SUB SURFACE.
NOT SET.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

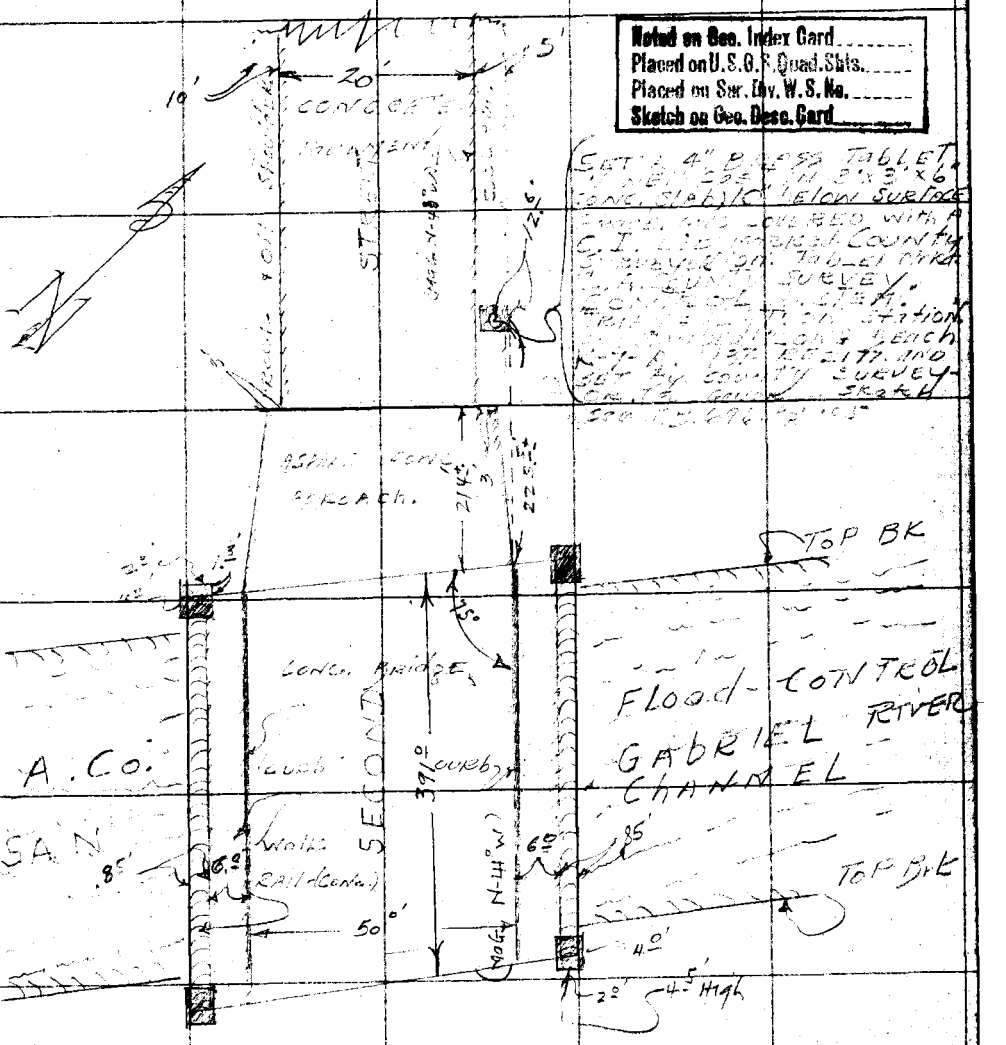
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by		Survey of City of Long Beach	F.B. 694 PG. 102
Map No.		W. O. 4911 Tape No. St'd °F.	
Office Work		Surveyed by Butler, S.E.	W.S.31
Checked		Notes Graquist Date 2-16-37	
Date		Indexed A. C. Johnson	

L.A. COUNTY SURVEY CONTROL
TRIANGULATION STATION. -
"LONG BEACH K-7-A. See pg. 105

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Sht's.
Placed on Ser. Div. W.S. No.
Sketch on Geo. Desc. Card



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 104

~ DISCRIPTION.~

"L.A. COUNTY SURVEY CONTROL"
"TRIANGULATION STATION."

"LONG BEACH - K-7-A.

IN L.A. CO. IN THE CITY OF LONG BEACH ON NORTH SIDE OF SECOND STREET AND NEAR WEST BANK OF SAN GABRIAL RIVER.
225.5 FT. EAST OF WEST END OF NORTH CURB OF SECOND STREET BRIDGE OVER SAN-GABRIAL RIVER. AND
12.9' SOUTH OF NORTH CURB OF SECOND STREET AND SAN GABRIAL RIVER, PRED. WEST.

SURFACE MARK:

SET A PUNCH TABLET IN 6" WELL CAST IN CONC SLAB 3'X3'.5" BELOW SURFACE GRADE AND COVERED WITH CAST IRON LID MARKED COUNTY SURVEYOR MON. TABLET MARKED:

"L.A. COUNTY SURVEY CONTROL SYSTEM" TRIANGULATION STATION AND STAMPED: "LONG BEACH K-7-A. 1937. E.E. ZIFF." AND SET BY COUNTY SURVEYOR.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of Long Beach Arc No. 1
Map No.	W. O. 4911 Tape No. St'd °F.
Office Work	Surveyed by Butler, S.E.
Checked	Notes Granquist Date 3-16-37
Date	Indexed A. C. Johnson

F.B. 696 Pg. 105

All on W.S. 31

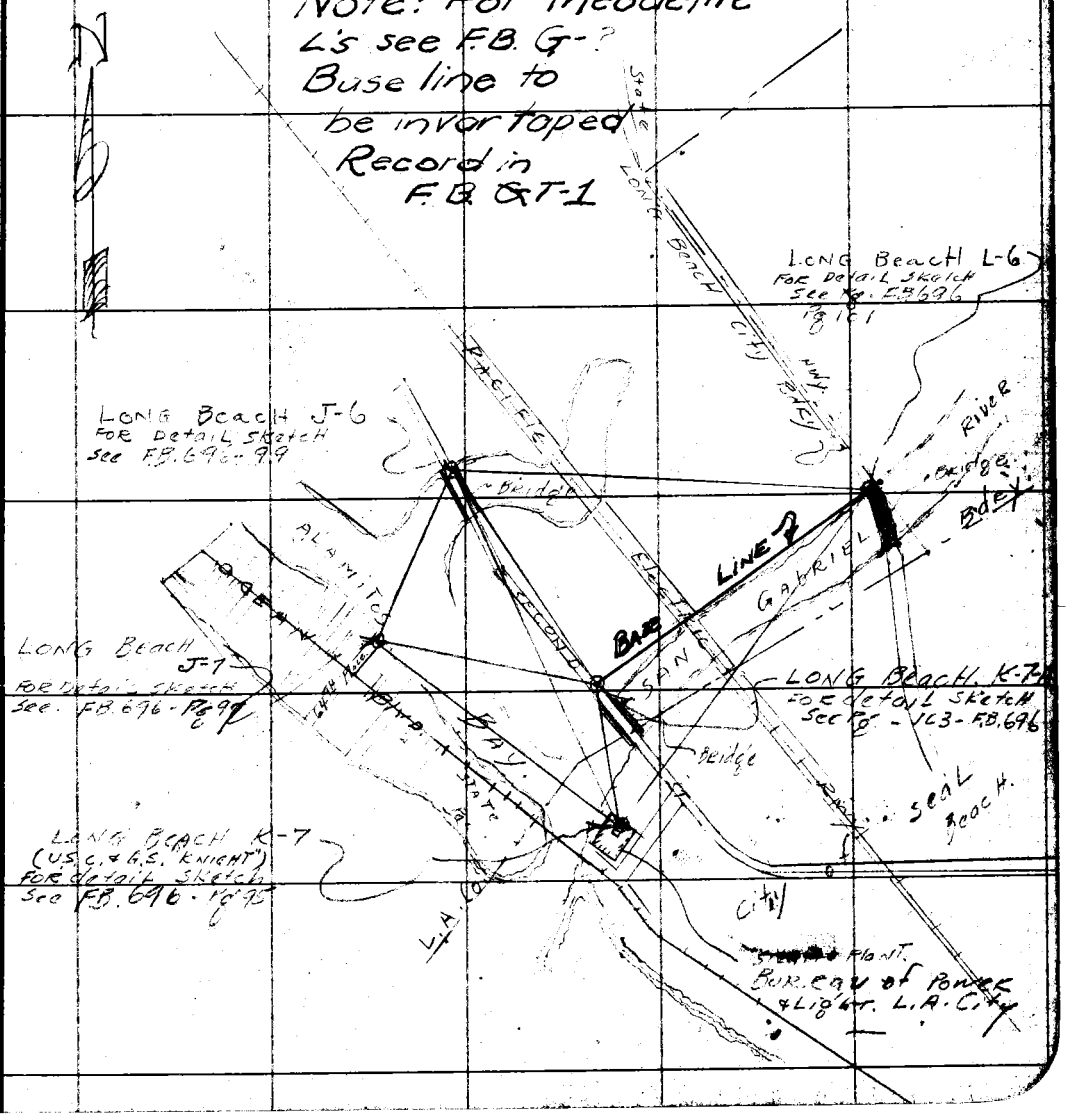
Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. County Survey Control System.

TRIANGULATION STATIONS

(See pg. 95) LONG BEACH. K-7 (USC&GS "KNIGHT")
(" " 103) " " K-7-A.
(" " 101) " " L-6.
(" " 99) " " J-6.
(" " 97) " " J-7.

Note: For theodelite L's see F.B. G-? Base line to be invertoped Record in F.B. G-T-1



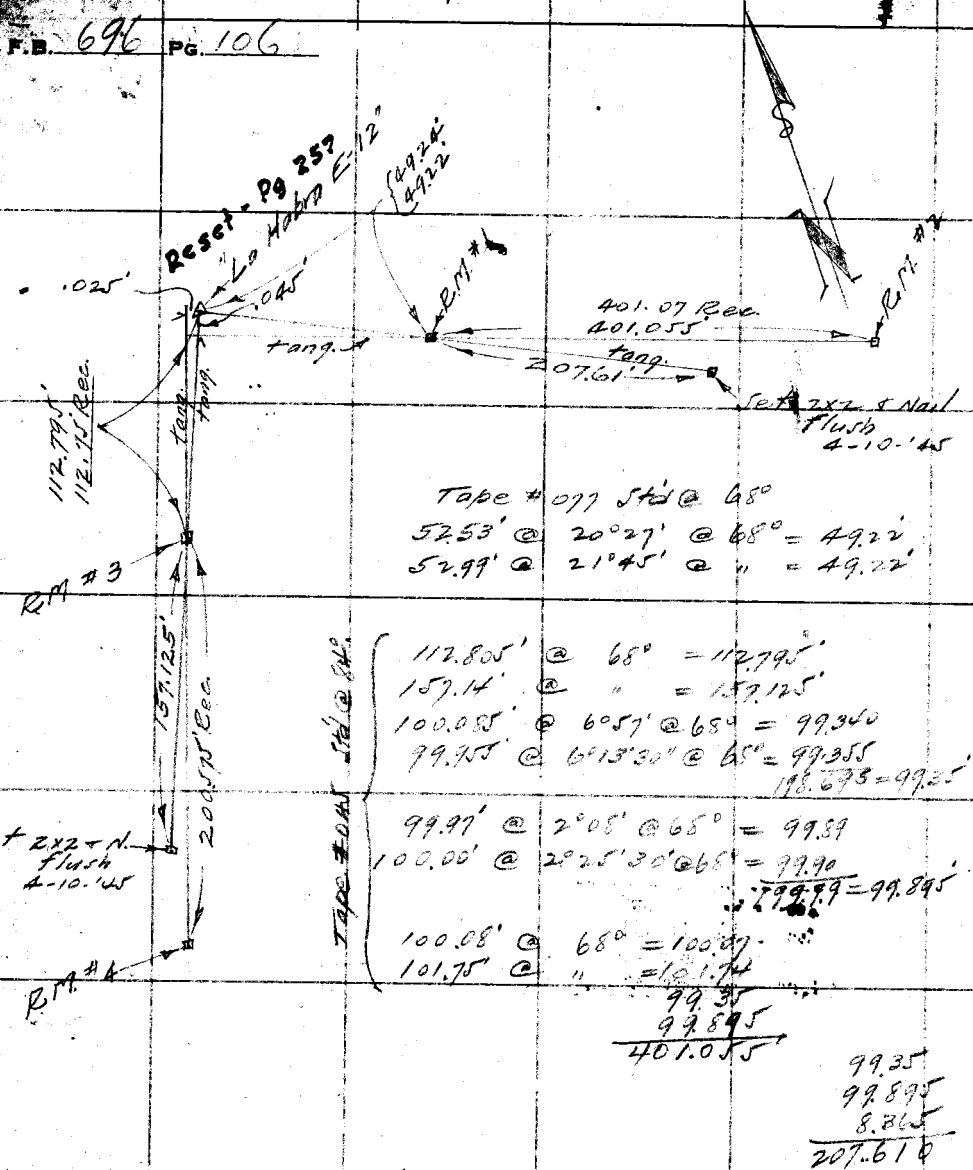
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 106



Tape #077 Std @ 68°
52.53' @ 20°27' @ 68° = 49.22'
52.99' @ 21°45' @ " = 49.22'

Tape #077 Std @ 68°
112.805' @ 68° = 112.795'
159.14' @ " = 159.125'
100.085' @ 6°57' @ 68° = 99.940
99.955' @ 6°13'30" @ 65° = 99.955
118.693 - 99.25'

Tape #077 Std @ 68°
99.97' @ 2°05' @ 65° = 99.89
100.00' @ 2°25'30" @ 65° = 99.90
99.895
100.08' @ 68° = 100.07
101.75' @ " = 101.74
99.35
99.895
401.055'

99.35
99.895
8.865
207.610

LA HABRA E-12 & REF. MARKS.
Conditions as found showing existing relation between Ctr. Sta. and original Ref's. Findings indicate that this station has shifted from its set position.

See F.B. 696-107 for original sketch.

G. Kleineck
4-10-'45

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

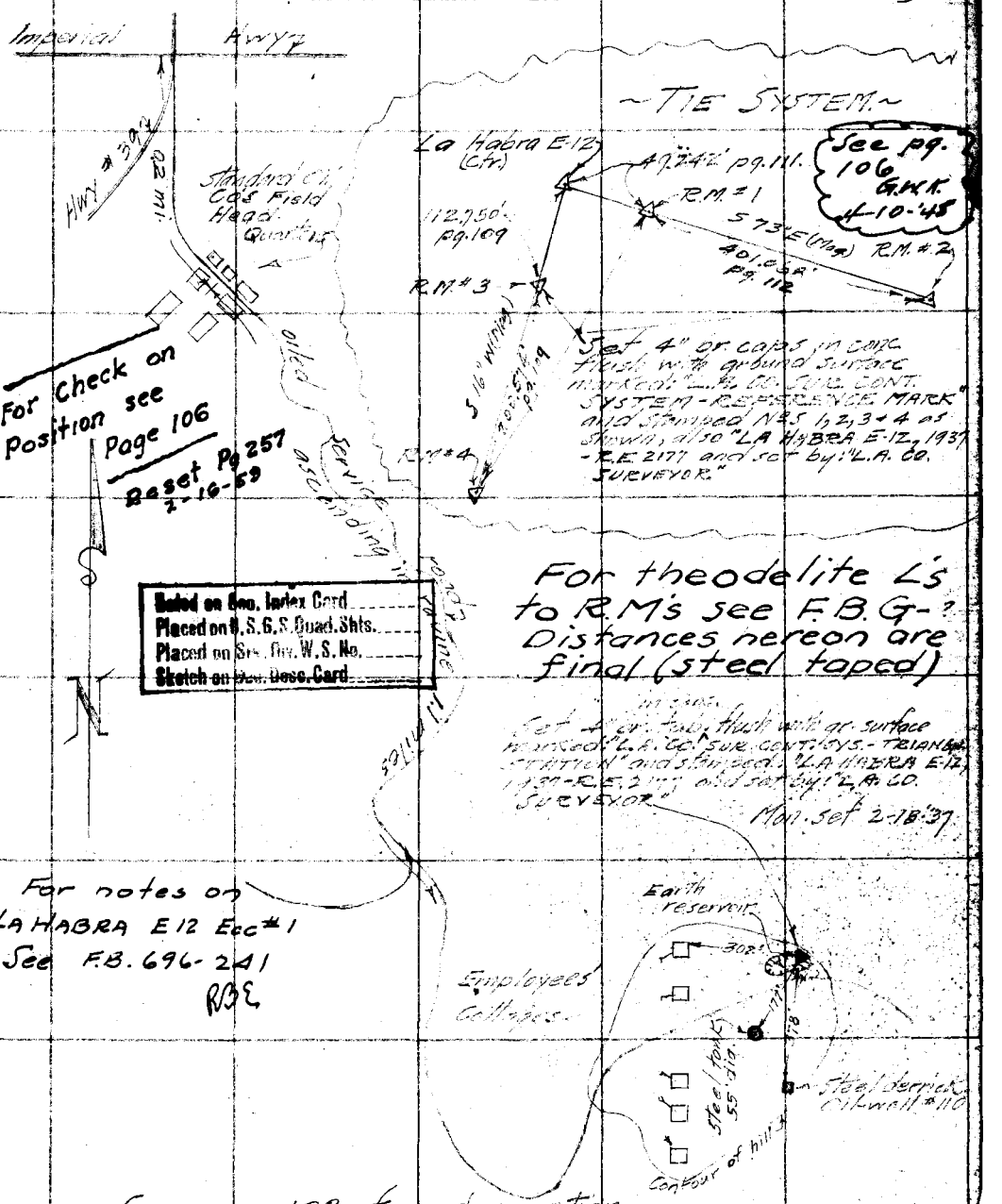
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of Cont. Sys. (Orange Co.) La Habra Area	F.B. 696 Pg. 107
Map No.	W. O. 4911 Tape No. 064 St'd 34°F.	Outside limits of
Office Work	Surveyed by S.E. Butler	C.S. Index Maps
Checked	Notes Klaineck Date 2-18-37	
Date	Indexed	

L.A. CO. SURVEY CONT. TRIANGULATION

STATION - "LA HABRA E-12." - "Orange County"



See pg. 108 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 108

2-18-37

— DESCRIPTION —

L.A. CO. SUR. CONT. TRIANGULATION
STA. - "LA HABRA E-12"

In Orange Co. about two miles S.W. of town of La Habra on highest knoll in Coyote Hills oil field controlled by Standard Oil Co.

Sta. can be reached by [illegible] on Whittier Blvd. from town of Whittier [illegible] to state highway #39. Go South to base of Coyote Hills and field headquarters of Standard Oil Co., 1.8 miles crossing Imperial Hwy at 1.6 miles. Pass [illegible] and [illegible] [illegible] direction 1.1 miles to top of highest hill occupied by a large Steel Tank.

177' S.W. to large steel tank 55' in dia.

378' So. to N.W. leg of steel derrick - oil well #10.
302' W. to N.E. cor. frame cottage.

Sub. Surface Mark:

[illegible] 42" below surface tablet [illegible] and copper tack in a [illegible] cylinder approx. 16" in [illegible] [illegible] from surface monument by 6" sand and [illegible] [illegible].

Surface Mark:

[illegible] tablet [illegible] [illegible] surface marked: "L.A. CO. SURVEY CONTROL SYSTEM - TRIANGULATION STATION", and stamped: "LA HABRA E-12, 1937 - [illegible]" and set by "L.A. COUNTY SURVEYOR".

See pg. 107 for Sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of City of Longmont	F.B. [illegible] Pg. 104
Map No.	W. [illegible] Tape No. 064 St'd 84 °F.	
Office Work	Surveyed by Butler SF.	
Checked	Notes [illegible] Date 2-19-37	
Date	Indexed A. C. Johnson	

T= H.E. Granquist
HE D.N. Reynolds
RC. R.C. Moser
Tape # 064 - Std 84°
[illegible]

MEAS. DIST. FROM LA HABRA E-12 CTR. TO R.M. #3 & R.M. #4

FROM LA HABRA E-12 CTR. TO R.M. #3

	Meas Dist	Vert.	Temp	Temp Corr	Distance	Mean Dist
#1	[illegible].340 12.430 [illegible]		62°	.0157	112.7543	112.7505
#2	100.430 [illegible] 112.770		62°	.0157	112.75[illegible]	112.7505
#3	99.030 13.730 112.760		62°	.0157	112.7443	112.7505
#4	[illegible] 13.543 112.763			.0157	112.7493	112.7505
	Mean Dist from R.M. #3 to R.M. #4					Mean Dist
#1	[illegible] [illegible] 200.610		62°	.0286	200.5814	200.5739
#2	100.210 [illegible] [illegible]		62°	.0286	200.5764	200.5739
#3	100.435 [illegible] [illegible]		62°	.0286	200.5664	200.5739
#4	[illegible] [illegible] [illegible]		62°	.0286	200.5714	200.5739

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 110

Kleineck
3-15-'37

~DESCRIPTION~

U.S.C. + G.S. TRIANGULATION STATION, "SAN JUAN" - Orange County.

NEW DESCRIPTION PAGE 253

In Orange County approx. 4 miles N.E. of town of "Yorba Linda" on top of highest knoll in the S'ly limits and adjacent to Santa Ana River, of the "Chino Hills"

Found in good condition a hexagon [illegible] mon[illegible] 3.0' [illegible] with 14½ inch faces (hexagonal) built up of [illegible] and covered with a [illegible] coat [illegible] a punched 5/8" brass [illegible] in center and marked with [illegible] as follows: "U.S.C. + G. SURVEY" [illegible] and "SAN JUAN - Δ" [illegible]

To reach sta. from north, go S'ly 2.5 miles from intersection of Carbon Cn. Road with Pipe Line Ave. So. of Chino, over dirt road marked with Kramer-Backs No. 1 oil-well [illegible] to fork in road at dairy ranch; thence [illegible] right ascending along side of ridge over graveled road 1.8 miles to saddle; follow dirt road [illegible] and marked [illegible] board [illegible] arch [illegible] gateway [illegible] to Dr. [illegible] McDermott's ranch; [illegible] to [illegible] in small valley. Necessary [illegible] from here [illegible] S. Ely direction [illegible] ascending to top [illegible] road [illegible] descending into [illegible] graph Cn. [illegible] highest knoll in range of hills. [illegible] in dry weather [illegible] road from [illegible] saddle at head of Telegraph Cn.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

Notes Ck'd by	Survey of City of Long Beach	F.B. 696 Pg. 111
Map No.	W. O. 4411 Tape No. 664 St'd 84°F.	
Office Work	Surveyed by Butler SE	
Checked	Notes [illegible] Date 2-19-37	
Date	Indexed [illegible] C. Johnson	

T. H. E. G.
[illegible]
RC. RC. M.

MEAS. DIST. FROM. L.A. Co. CONTROL [illegible]
STATION LA Habra E-12. RM. #1. #2. #3 + #4.
FROM LA Habra E-12 ctr. TO LA Habra E-12 RM #1

	Meas Dist	Vert ∠	Temp	Temp Corr	Distance
#1	13.380 8.360 8.400 19.110 49.250	62°		.007	49.243
#2	13.[illegible] 8.420 8.390 13.840 49.240	62°		.007	49.233
#3	18.790 8.440 8.330 13.690 49.250	62°		.007	49.243
#4	18.[illegible] 8.540 8.260 13.495 49.255	62°		.007	49.248

4 ⟌ 196.967
49.241 = AV

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 112

Chain Dist from:-

FROM LA HABRA E-12 R.M. #1 TO R.M. #2

	Meas Dist	Temp	Temp Corr	Distance	Mean Dist
#1	34.550 56.830 55.450 98.620 99.440 55.955	64°			
	401.115	64°	.0520	401.063	401.068
#2	35.550 56.795 55.460 98.610 99.450 55.710	64°			
	401.125	64°	.0520	401.073	401.068
#3	55.825 99.530 98.350 55.630 56.760 35.130	62°	Void		
	401.225				
#4	55.730 99.600 98.260 55.760 56.785 34.920	62°	Void		
	401.195				
#5	34.995 56.830 55.610 98.125 99.715 55.950				
	401.125		.0520	401.073	401.068
#6	35.070 56.955 55.600 98.145 99.705 55.740				
	401.115		.0520	401.063	401.068

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

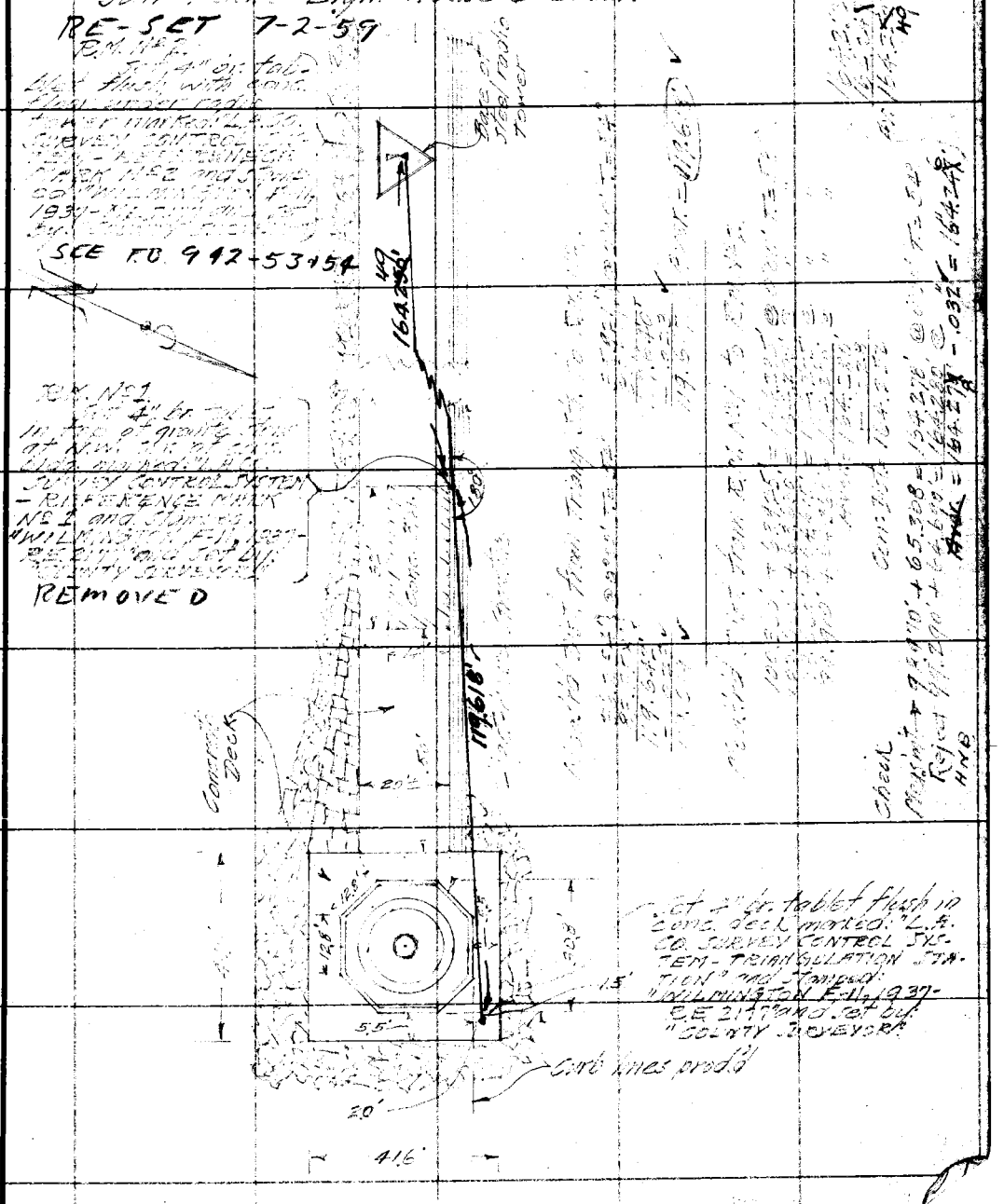
Do not extend notes this side of this line

Notes Ck'd by	Survey of Cont. Sys. - Long Beach Area #1
Map No.	W. O 4911 Tape No. 064 St'd 84°F.
Office Work	Surveyed by S.E. Butler
Checked HNL	Notes [illegible] Date 3-14-37
Date 11-3-'37	Indexed [illegible]

F.B. 696 PG. 113

Placed on Red Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. Co. Survey Control Triangulation Station "Wilmington F-11," Showing San Pedro Light-house & Break-water.



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 114.

Kleinoski
3-19-'37

~ DESCRIPTION ~

L.A. CO. SURVEY CONTROL TRIANGULATION STATION, "WILMINGTON F-11."

In L.A. Co. San Pedro Harbor at San Pedro light-house on N.E'ly end of breakwater 2.1 miles from Cabrillo Beach.

1.5' N.E'ly from a line produced N.W'ly along face of curb at base of light-house structure on N.E'ly side.

[illegible] N.W'ly from a line produced N.E'ly along face of curb at base of light-house structure on N.W'ly side.

Sub-Surface Mark: None

[illegible]

COUNTY [illegible] - [illegible]

[illegible]

F-11, [illegible]

VEYO[illegible]

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

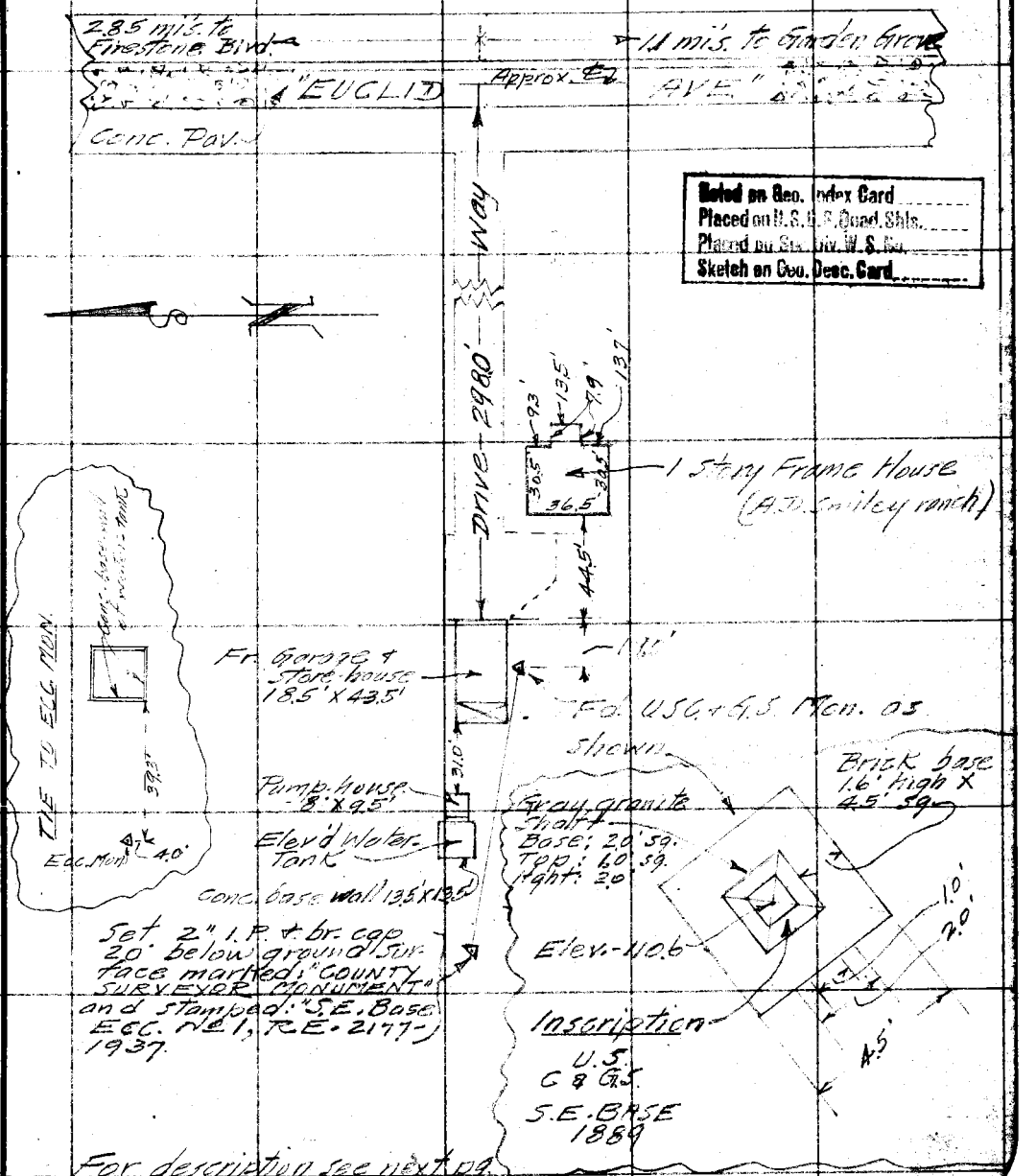
Notes Ck'd by	Survey of Cont. Sys. - Long Beach
Map No.	W. O. 4911 Tape No. 064 St'd 84° F.
Office Work	Surveyed by S.E. Butler
Checked	Notes Kleineck Date 4-7-'37
Date	Indexed A. C. Johnson MAY 21 '37

Area #1

F.B. 696 Pg. 715

Outside limits of C.S. Index Maps

L.A. Co. SURVEY CONTROL TRIANG. STA. "S.E. BASE." Estab. by U.S.C. & G.S. in 1889.



For description see next pg.

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Geo. Div. W.S. No.
Sketch on Geo. Desc. Card

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Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 116 ~DESCRIPTION~

L.A. CO. SURV. CONTROL TRIANG. STA

S.E. BASE - (USC+GS)

In Orange Co., 1.1 miles north of town of Garden Grove on Euclid Ave on A.D. Smiley ranch, S/S. of gauge bldg.

317.1' West from approx. [illegible] of Euclid Ave. adjacent to [illegible]

Sta. can be reached by gauge north from town of Garden Grove on Euclid Ave. 1.1 miles or south on Euclid Ave. 2.85 miles from Firestone Blvd. to A.D. Smiley ranch.

Fd. [illegible] set by U.S.C.+G.S. in 1889 to [illegible] gray granite [illegible] 10' [illegible] top, and 2.6' high [illegible] blastered brick base 4.5' square X 1.6' high. [illegible] S.E. [illegible] inscribed [illegible] NW side of shaft, with [illegible] elevation of [illegible] on S.E. side

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by		Survey of LONG BEACH ARM #1	F.B. 1-76 Pg. 117
Map No.		W. O. 4911 Tape No. 064 St'd 84°F.	
Office Work		Surveyed by BUTLER, SF	
Checked		Notes GRAVAUST Date 3-16-37	
Date		Indexed A. C. Johnson MAY 25 '37	

HC: Row B. Sec. 12 T. 3 S. R. 13 W. No C64 - 2 1/2" Mon.

L.A. CO. SURV. CONT. TRIANGULATION SYS.

CHAIN DISTANCE FROM "DAWSON AUX" R.M. #1" TO "DAWSON AUX. R.M. NO 2."

	Dist. Meas.	Vert'l.	Temp.	Temp Cor.	Vert'l. Cor.	Distance.
①	99.815 91.380	Level "	64° 64°			
	191.195	"	64°	-0.030 ✓		191.165'
②	97.740 93.450	Level "	64° 64°			
	191.190	"	64°			191.165'
③	91.190 99.990	Level "	64° 64°			
	191.180	"	64°			191.155'
④	91.420 99.770	Level "	64° 64°			
	191.190	"	64°			191.165' Ave = 191.162 ✓

FROM "DAWSON AUX R.M. NO 1" TO "DAWSON AUX."

	Dist. Meas.	Vert'l.	Temp.	Temp Cor.	Vert'l. Cor. Dist.	Distance.
①	63.970	+12° 03'	62°	-0.004	61.966	
②	63.650	+13° 19'	62°	"	61.968	
③	63.970	+12° 17'	62°	"	61.968	
④	63.910	+14° 09'	62°	"	61.971	

FROM "DAWSON AUX" TO "DAWSON AUX. R.M. NO-3."

①	83.910	6° 46'	60°	-0.010	83.325	
②	83.990	7° 13'	60°	"	83.325	
③	84.090	7° 43'	60°	"	83.328	
④	84.230	8° 21'	60°	"	83.321	

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 118

CHAIN DISTANCE FROM "DAWSON" TO "DAWSON AUX."

	MEA. DIST.	VERTA	TEMP.	TEMP COR.	VERTA COR.	DISTANCE
①	99.150	[illegible]	60			
	90.760	"	[illegible]	-.0547		
	66.270	"	[illegible]			
	45.740	"	[illegible]			
	48.465	"	[illegible]			
	43.120	"	58	-.0253		
	46.770	"	[illegible]			
	59.935	"	58			
	500.230			-.0800		500.150
②	[illegible]	[illegible]	[illegible]			
	90.620	"	60	"		
	66.525	"	[illegible]			
	45.720	"	[illegible]			
	48.375	"	60			
	43.190	"	58			
	46.700	"	58			
	59.809	"	58			
	500.229			-.0800		500.149

149.825+350.405

E.C. MENTZ

H.E. Hayes 4/6 1937

FROM DAWSON-[illegible] TO DAWSON ECC. [illegible]

15.083	LEVEL. ST	-.003		15.080
15.083	" "	-.003		15.080

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of LONG BEACH AREA
Map No.	W. O. 4911 Tape No. 016 St'd 2L OF
Office Work	Surveyed by Butler
Checked	Notes Date 8/19/36
Date	Indexed

F.B. 696 PG. 11

W.S. 28

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

J.N. 4911.

Sketch
showing
Reference monuments
set
to
TRI. STA.
Wilmington I-3
acc't possible
destruction by
oil lines

Butler
Willey
Kleineck
MOSER
Cunningham

FORM 247 5M 10-37

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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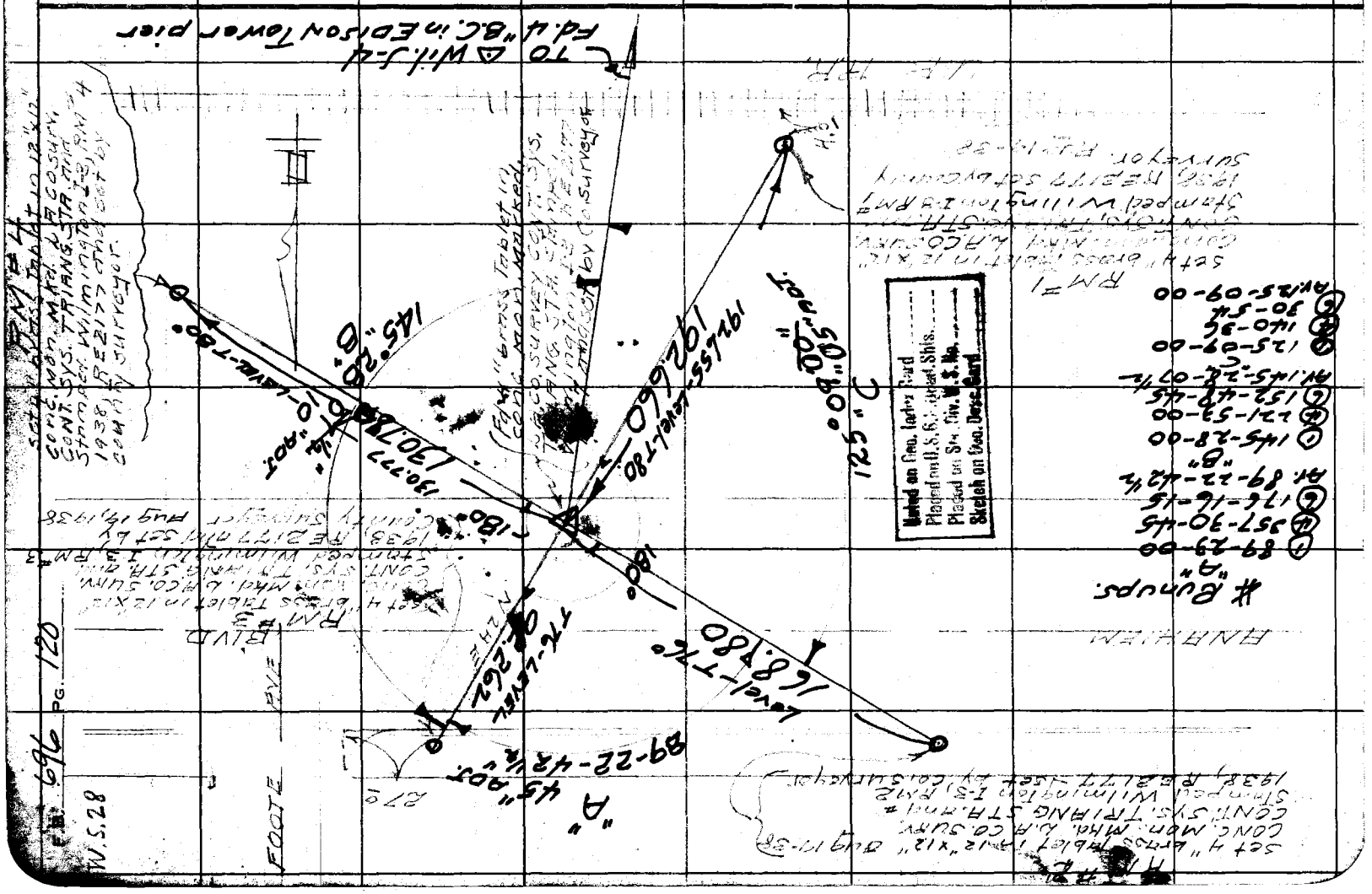


Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0106 Std 84 °F
Office Work	Surveyed by AC GUIZADO
Checked	Notes ACG Date 4/9/64
Date	Indexed C. J. GALLE APR 13 '64

F.B. 696 PG. 121

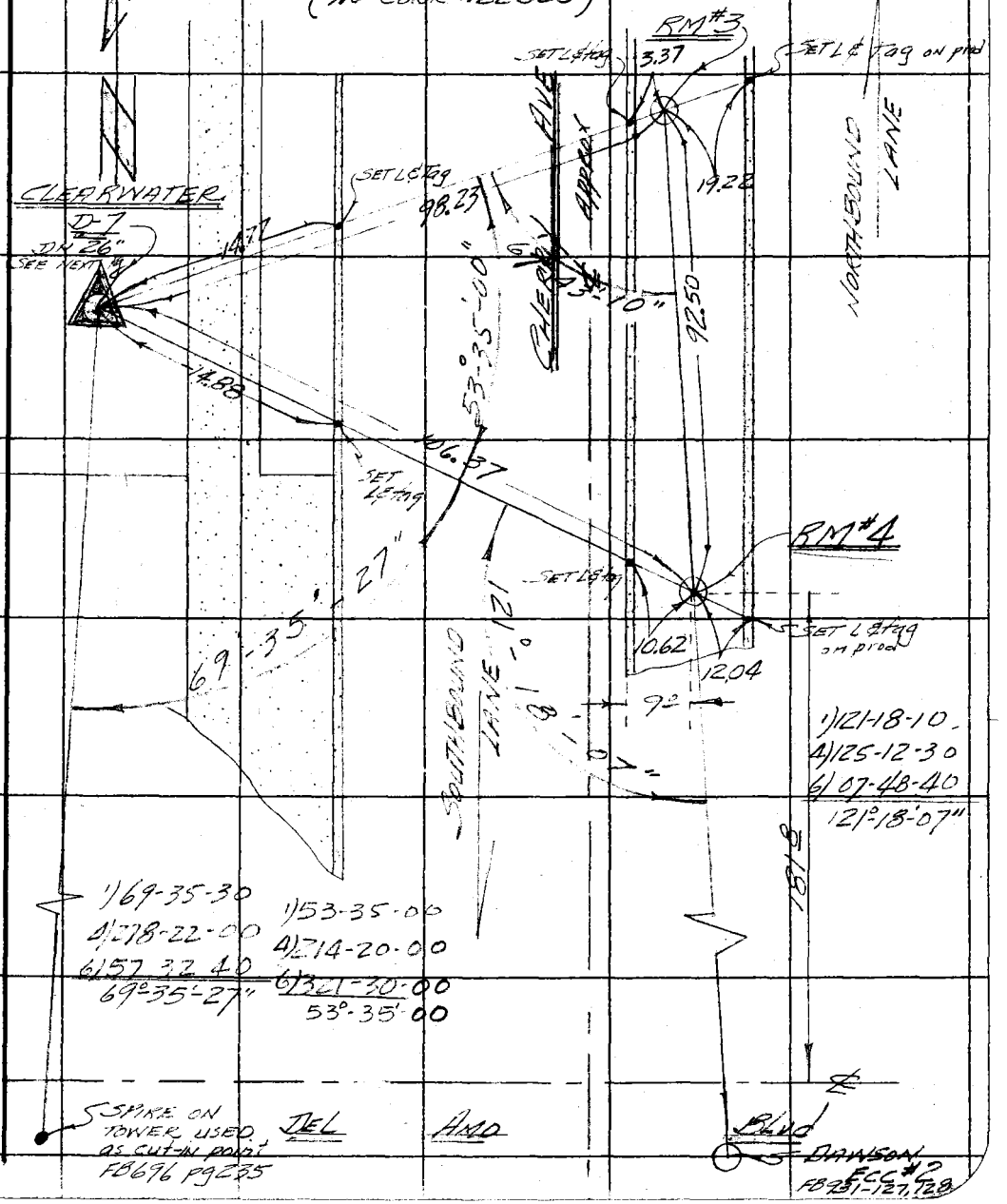
FOR ORIGINAL NOTES SEE FB696 pg 235, 236

L. A. Co. Survey Control System

CLEARWATER D-7

(T=82 300' tape NO CORR NEEDED)

1) 67-43-10
4) 270-52-40
6) 46-19-00
67-43-10



Note: Any Alteration on Reproducible Card This Sheet Must Be Made on Card Itself Ink Will Not Adhere Properly Making Changes Impossible

Do not extend notes this side of this line

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

763098 CE #247—7-53

F. B. 696 PG. 122

L. A. Co. Survey Control System

'CLEARWATER D-7'
NORTH LONG BEACH AREA

THIS STATION IS IN THE COUNTY OF LOS ANGELES, APPROX. 3.0 MILES NORTH OF SIGNAL HILL, NEAR THE INTERSECTION OF DEL AMO BLVD & CHERRY AVE, 228'± NORTH OF DEL AMO BLVD & 13.5 WEST OF WEST CURB ON CHERRY AVE.

SUB-SURFACE MARK: DID NOT ATTEMPT TO LOCATE AS SURFACE MARK APPEARED IN GOOD CONDITION & THERE WERE NO APPARENT MARKS TO INDICATE THAT MARK HAD BEEN DISTURBED.

SURFACE MARK: FD 4-STD. 4" TRIANGULATION BRASS TABLET STAMPED "CLEARWATER D-7, 1938 COUNTY SURVEYOR RE 17"

REFERENCE MARK #1 - FOUND LYING ON SIDE — DESTROYED — OUT.

REFERENCE MARK #2 - ATTEMPTED TO LOCATE BY ANGLE & DISTANCE — DUG 3' down FD NOTHING.

REFERENCE MARK #3: SET A STD 4" RM BRASS TABLET & IRON PIPE STAMPED "CLEARWATER 'D-7' RM #3 1964 RE 5869" dn 14"

REFERENCE MARK #4: SET SAME AS RM #3 EXCEPT STAMPED "RM #4' dn 14"

RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F3098 247 10M 1-49

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

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

Survey of
W. O. Tape No. Sec'd. °F
Surveyed by
Notes Date
Indexed

F. B. Pg.

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

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F. B. _____ PG. _____

Notes Ck'd by	Survey of POMONA VALLEY
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.
Office Work	Surveyed by BUTLER
Checked	Notes " Date 9/37
Date	Indexed A. C. Johnson 12-7-37

F.B. 696 PG. 125

J.N. 4914

POMONA VALLEY

SURVEY CONTROL SYSTEM

Record of monumenting
&
Description of stations

Survey begun
Sept. 10, 1937 . Note :-
index next pg.

Butler
Kleineck
Granquist
Moser
Cunningham
Durbin

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 126

INDEX TO STATIONS

NO	ORIGIN	NEW NAME	Sketch	Desc	Remark
1	U.S.G.S. La Habra	La Habra G-4	Pg 127	Pg. 128	Countersunk 8-5
2	" La Brea	La Brea A-6	" 129	" 130	not disturbed
3	" Rowland	La Brea L-5	" 131	" 132	Countersunk
4	New Sta.	" " J-7	" 135	" 136	Set new mon.
5	UNION OIL CO.	UNION OIL #118	" 137	" 138	not disturbed
6	USGS San Tuze	Covina C-7	" 139	" 140	"
7	" Puente	[illegible]	" 141	" 142	" "
8	" Pomona	Claremont C-10	" 143	" 144	" "
9	" [illegible]	La Brea G-1	" 147	" 148	Set new mon.
10	" San Jose	Covina G-6	" 149	" 150	not disturbed
11	" [illegible]	Claremont A-6	" 151	" 152	" "
12	C.A. "Mt. Meadows"	" C-3	" 153	" 154	" "
13	U.S.G.S. Blackwood	Glendora G-10	" 155	" 156	Set new mon.
14	" AZUSA	" B-6	" 159	" 160	Not disturbed
15	" Goddard	Claremont A-1	" 161	" 162	" "
16	" Duarte	AZUSA E-7	" 163	" 164	" "
17	" REYNOLDS	LA VERNE F-9	" 165	" 166	" "
18	" [illegible]	GLENDORA L-[illegible]	" 167	" 168	Set new mon. See 158
19	New Sta.	LA VERNE A-5	" 169	" 170	" " "
20	" "	GLENDORA C-5	" 171	" 172	" " "
21	" "	AZUSA L-~~5~~ 10	HNB 6-21-38 " 173	" 174	" " "
22	" "	CLAREMONT J-7	" 175	" 176	" " "
23	" "	LA VERNE J-8	" 177	" 178	" " "
24	" "	" " K-11	" 179	" 180	" " "
25	U.S.C.+G.S.-Pasa. E. Base #2	None	" 181	" 182	Not disturbed

McNelson

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LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Notes Ck'd. by
Office Work
Checked JMR 7/12/38
Date

Survey of Geod. Cont. Sys. Romoland Quad
W. O. 491 Type No. 059 Sec. 24 T. 4 S. R. 3 W.
Surveyed by J. E. Butler
Notes G. Kriemeck Date 9-10-37
Indexed C. Johnson

F.B. 696 P.

W.S. 38

Noted on Geo. Index Card
Plotted on U.S.G.S. Quad. Shts.
Plotted on Sec. Div. W.E. Ms.
Sketch on Geo. Quad. Sht.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Notice: ANY ADDITIONS OR CHANGES OF THIS SHEET MUST BE MADE OR CIRCLED IN Red Ink. WITH DATE AND NAME OF PERSON MAKING CHANGE.

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L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION "LA HABRA G-4" (U.S.G.S. "LA HABRA")

Transfer of elevation from old ctr. to new ctr. monument.

		STA	+	H.I.	−	ELEV.
Set UP #1.	Old Mon.		4.435	1004.435		1000.00 Assd
	TP #1				4.185	1000.250'
	TP #2				3.730	1000.705'
Set UP #2	Old Mon.					1000.00 Assd
	TP #1		+5 missing		3.695	1000.250
	TP #2				3.240	1000.705
Set UP #3	TP #1 New Mon.		4.015	1004.265	3.460	1000.250' 1000.805' V
	TP #2 New Mon.		3.560	1004.265	3.460	1000.705' 1000.805' V

FB 2979-88 TO WHIRLI

=63.0936
-63.096-T76-LEVEL FROM #2

FROM #1

N 78° W
40.227-Level
T 76 = 40.227

Set standard ... Reference Mark ... in concrete ... ground surface ... L.A. COUNTY SURVEY ... CONTROL ... STATION ... LA HABRA G ... RE 2177 ... COUNTY SURVEYOR

FB 2979-88 TO WHIRLI

N 78° W
40.227
T 76

Ctr.

Std. 4" brass cap ... conc. post ... below ground surface ... U.S. GEOLOGICAL ... IN COOPERATION WITH ... ANGELES COUNTY ... stamped "LA HABRA ... 1923"

SET L4 CE THIS IN CONC. STEP

Note: This monument recovered with Sta L.A. Co. Sur. Cont. Tri. Mon. set a 4" brass tablet in conc. 4" above ground surface marked "L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION" and stamped "LA HABRA G-4 1937 RE 2177" and set by "COUNTY SURVEYOR". Mon. set 9-13-37.

Conc. set 4" above ground surface marked: L.A. County Survey Control Station-Reference Mark-and stamped "LA HABRA G-4 1937 RE 2177 and set by "County Surveyor" 9-20-37

DIR. OBS. IRON 43.44

Az. #139 LC 28.7'
40.235
45.34'
63.06

For description See pg. 128

FORM 247 10M 5-31

F.B. 696 Pg. 128

DESCRIPTION

L.A. CO. SURVEY CONT. TRIANG STA. LA HABRA 6-4 (U.S.G.S. "LA HABRA")

In L.A. Co., about 3 miles South of town of Puente on highest point of Puente Hills; T.2S, R.10W., near northeast corner and in Sec. 29.

Sub-Surface Mark: Set 4" below surface tablet in a conc. cylinder approx. 16" in dia. x 12" deep and separated from surface monument by an 8" earth cushion, the original U.S.G.S. 4" Br. tablet marking the Station and Stamped: "LA HABRA", R.S. 1923.

Surface Mark: Set a 4" brass tablet in conc. 8" above ground surface marked: "L.A. CO. SURVEY CONTROL SYSTEM - TRIANGULATION STATION" and Stamped - "La Habra 6-4, 1937, R.E. 2179 and set by - "County Surveyor".

Sta. may be reached by going east 1.6 mi.s on Pomona Blvd. from business district of town of Puente to Anaheim-Puente Road, turn right and go 1.2 mi.s, turn left and go 1.2 mi.s to Fullerton Road, turn right and go 2.45 mi.s to East and Skyline Roads (Fullerton Road becomes East Road), turn right 0.1 mi. to fork and continue to right over dirt road 2.5 mi.s to Sharpless Court, a cross road; continue ahead on Skyline 1.1 mi.s; turn to right and ascend to summit of highest point via hills and to Station.

Alternate Routes: From Puente or La Habra via Hwy #39; thence thru Hacienda Country Club or from La Habra by way of Anaheim-Puente Road.

For Sketch See pg 127

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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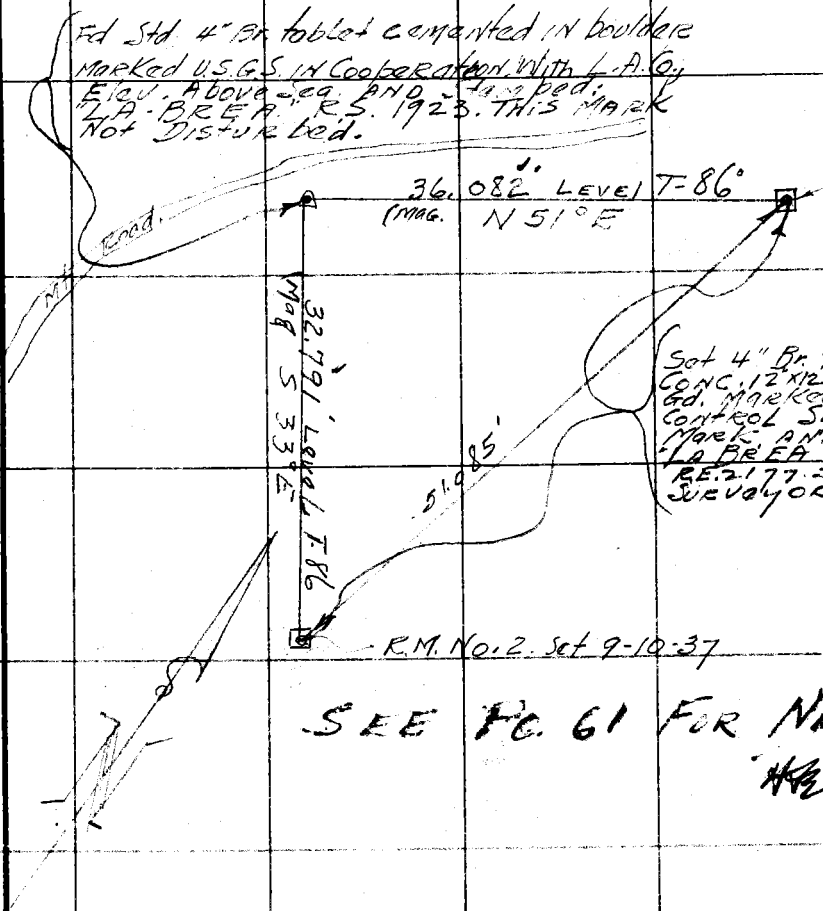
Notes Ck'd by	Survey of Pomona Valley Area	F.B. 696 Pg 129
Map No.	W. O. 4913 Tape No. 064 St'd 64 °F.	W.S. 38
Office Work	Surveyed by S.E. Butler	Noted on Gen. Index Card
Checked	Notes Granquist # Date 9-20-37	Placed on U.S.G.S. Quad. Shts.
Date	Indexed [illegible]	Placed on Sur. Div. W.S. No.
		Sketch on Gen. Desc. Card

L.A. Co; SURVEY CONTROL TRIANG. STATION. "LA BREA - A-6."



SEE PG. 61 FOR NEW R.Ms.
HKB 2/1/56

For description See pg 130

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 130

Station Description.
L.A. Co, Survey Control Triang. Sta.
La Brea. A-6.

In Los Angeles County, 5.5 miles South-East of town of Puente, on highest point of La Brea Hills, T-2S, R-10-W, in Northwest Quarter of Sec. 35.

~~Road~~ Description.
From Int. Pamona Ave & Central Aves, .5 Mi. West To Entrance Shell, Fullerton Oil Co. Turn Right & Proceed Northerly on Oil Rd to Fork of 3 Rds. Follow Left Westerly Rd 0.6 Mi up Hill to top of ridge. Take Left Rd 0.5 Mi. Into ravine pass West Side of refinery Thence up hill to Steel gate at pumping plant. Thence 1.0 Mi. to Saddle. Thence down Hill 0.1 Mi. to bottom of ravine. Thence Right 0.2 Mi to Saddle. Thence 0.6 Mi. to Blue water tank. Thence 0.2 Mi up ridge to top of Hill & Station.

Sub-Surface Mark: Non Set.

Surface Mark:
Found 4" Br. Tablet cemented in boulder.
Marked U.S.G.S. in Cooperation with Los-Angeles Co. Elev. above Sea Level and Stamped "La Brea R.S. 1923." This Mon. Not disturbed.

New Desc. pg. 62
2/1/56

For Sketch see pg. 129

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Notes Ck'd by	Survey of Pomona Valley Area F.B. 696 Pg. 131
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.
Office Work	Surveyed by Butler, S.E.
Checked	Notes Granquist Date 9-20-37
Date	Indexed

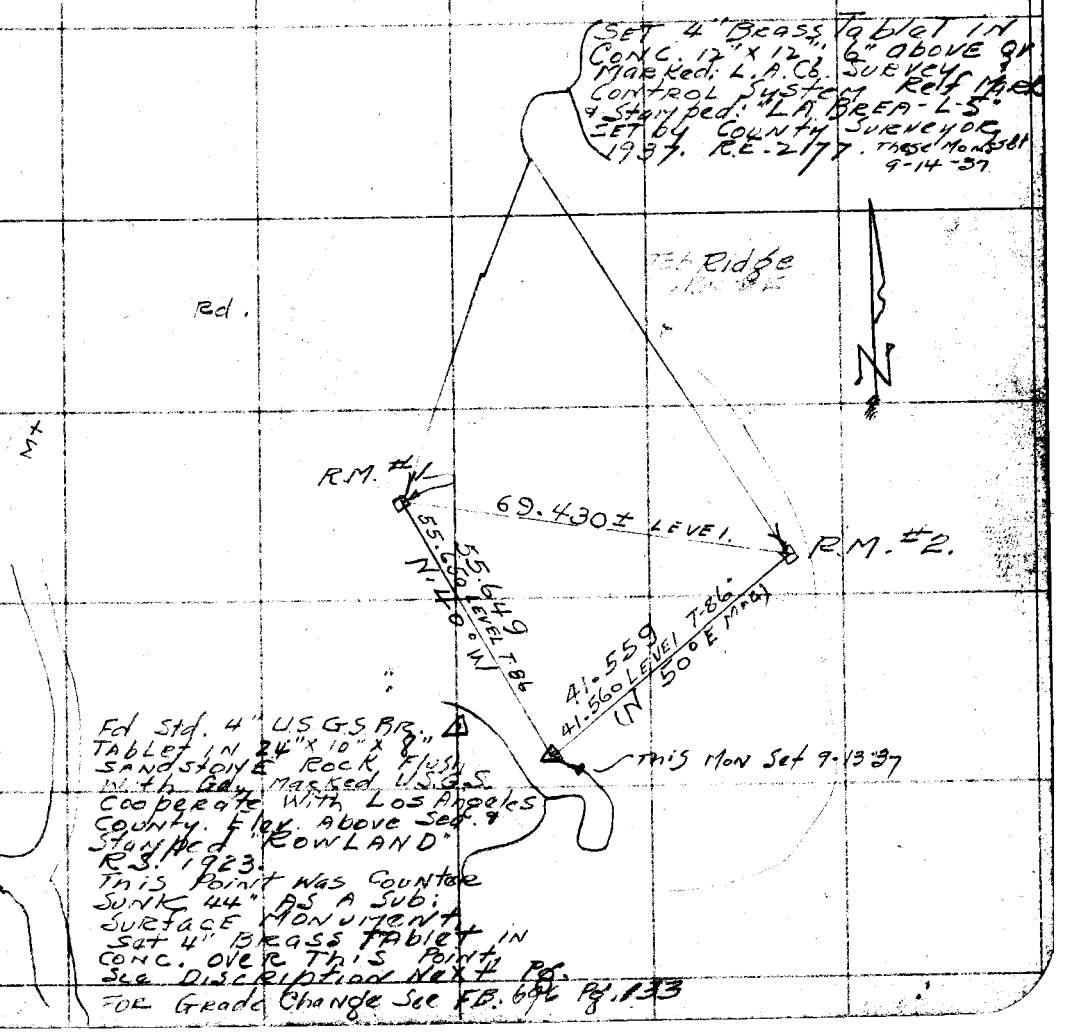
H.E.G. R.E.G. W.S. 39

L.A. Co. Survey Control Triang. Station. "La Brea-L-5"

For description see pg. 132.

U.S.G.S. "ROWLAND"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 132

STATION DESCRIPTION.

L.A. Co., SUR. CONT. TRI ANG. STA. "LA BREA - L - 5"

IN L.A. COUNTY, 7.0 MILES SOUTH by 3.0 MILES WEST OF TOWN OF POMONA, T2S, R9W, ABOUT 900 FT. WEST by 250 FT. NORTH OF CORNER OF SECTIONS 26, 27, 34, & 35, 0.75 MILE SOUTH OF SOUTH FORK BREA CANYON ROAD, ON HIGH PEAK ON ROWLAND CATTLE RANCH.

TO REACH STA. FROM SOUTH OR INT. OF CENTRAL AVE & POMONA AVE, NO. OF TOWN OF BREA. TRAVEL NORTHERLY ON BREA CANYON Rd 1.1 MILES TO INT. OF TONNER CANYON Rd. TAKE ROAD ON RIGHT GO 1.1 TO INT. OF DIRT AND OIL ROAD. FOLLOW DIRT Rd. UP MAIN CANYON 1 MILE TO 1ST GATE. 2.4 MILES MORE LEAVE LAST GATE. 1.1 MILE UP CYN TURN RIGHT UP SIDE HILL Rd 1.1 MILES TO SUMMIT, TURN LEFT 0.2 MILE TOP OF PEAK & STATION.

FOUND 4" STANDARD BRASS U.S.G.S. TRIANGULATION TABLET, IN 24"x 10"x 8" SANDSTONE ROCK FLUSH WITH GD, MARKED U.S.G.S. COOPERATE WITH L.A. COUNTY. ELEV. ABOVE SEA. & STAMPED R.S. 1923

SUB-SURFACE MARK: SET 44" BELOW SURFACE TABLET THE ABOVE SANDSTONE ROCK TRIMMED DOWN TO 10"x 8"x 8". FOR GRADE CHANGE SEE NEXT PG. FB. 696 PG. 133

SURFACE MARK:- SET 4" BR. TABLET IN CONC. 6" ABOVE GR. SURFACE MARKED: "L.A. COUNTY SURVEY CONTROL SYSTEM-TRIANGULATION STATION" AND STAMPED, LA BREA - L-5. R.E. 2177. AND SET BY COUNTY SURVEYOR 1937

For Sketch See pg. 131

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Notes Ck'd by	Survey of Pomona Valley Area	F.B. 59½ Pg. 133
Map No.	W. O. 4914 Tape No. 064 St'd 84 °F.	
Office Work	Surveyed by Butler, SE	
Checked	Notes Granquist Date 9-13-34	
Date	Indexed A. C. Johnson	

GRADE CHANGE. L.A. Co, SURVEY CONTROL TRIANGULATION STATION. "LA-BREA-L-5" OLD USGS. TO NEW LA Co. MON.

Sta.	+	H-I	−	Elev.
ctr. Sta. USGS. T.P. BM #1	4.805	104.805	4.413	100.00 ASSUMED. USGS. old MON. 100.392
ctr. Sta. USGS. T.P. BM #2	4.705	100.705	4.630	100.00 ASSUMED. Elev. USGS. OLD MON. 100.075
T.P. BM #1 ctr. New Mon.	4.375	104.767	4.350	100.392 100.417 = Elev. L.A. Co Sur Mon.
T.P. BM #2 ctr. New Mon.	4.692	104.767	4.350	100.075 100.417 - Elev. L.A. Co, Sur. Mon.

For sketch see pg. 131.

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

RETURN TO
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700 HALL OF RECORDS

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F.B. 6016 PG. 134

61 131
62 132
129

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4914 Tape No. 064 St'd 84°F.
Office Work	Surveyed by Butler
Checked	Notes " Date [illegible]
Date	Indexed [illegible]

F.B. 696 PG. 135

Orange County

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Chks.
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. Co. Survey [illegible]
System
TRIANGULATION
STATION
La Brea J-7

L.A. Co.
Orange Co.

±50'

Large Cast iron frustum shaped [illegible] 3' High [illegible]

TRI. STA.
LRG 1927
±750'

* New Ties F.B. 2456-17

La Brea J-7
Set 4" brass tablet in conc. 12"
[illegible]
Co. Survey [illegible] Sys.
[illegible]
Set by [illegible] Surveyor 1937
La Brea [illegible] R.E. 2177

180°
Remeas 45.475
S 87°E
45.530 - level
[illegible] = 45.535
7.858 Level
[illegible] Remeas
50.864 Remeas.
RM #2
RM #1

Hive
3.14.39

Set 4" brass [illegible] in Conc. [illegible] 6" above gr. [illegible] "L.A. Co. Survey [illegible] System Ref. Marks [illegible] "La Brea J-7" Set by L.A. County Surveyor 1937 - R.E. 2177. Mon. set 9/13/37

For description
See pg 136

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 136

Description

L.A.Co. [illegible]

[illegible] "La Brea [illegible]"

In Orange Co.; on low prominent hill

(USGS [illegible]) about [illegible] mile [illegible]

No. [illegible] Olinda From [illegible]

[illegible] Side of hill of Box [illegible] (See

[illegible] pg 132) to low road 1.7 miles [illegible]

[illegible] of sway to sta.

[illegible] 1.0 miles

" " N & S " 1.2 "

" " saddle 1.4 "

" " E & W " 1.5 "

to sta. 1.7 "

[illegible]

[illegible]

SURFACE MARK:

Sta [illegible]

in conc. 2" above gr.; [illegible] Co.

[illegible]

[illegible] La Brea [illegible]

[illegible] Surveyor [illegible]; R.F. 3177

For sketch see pg. 135

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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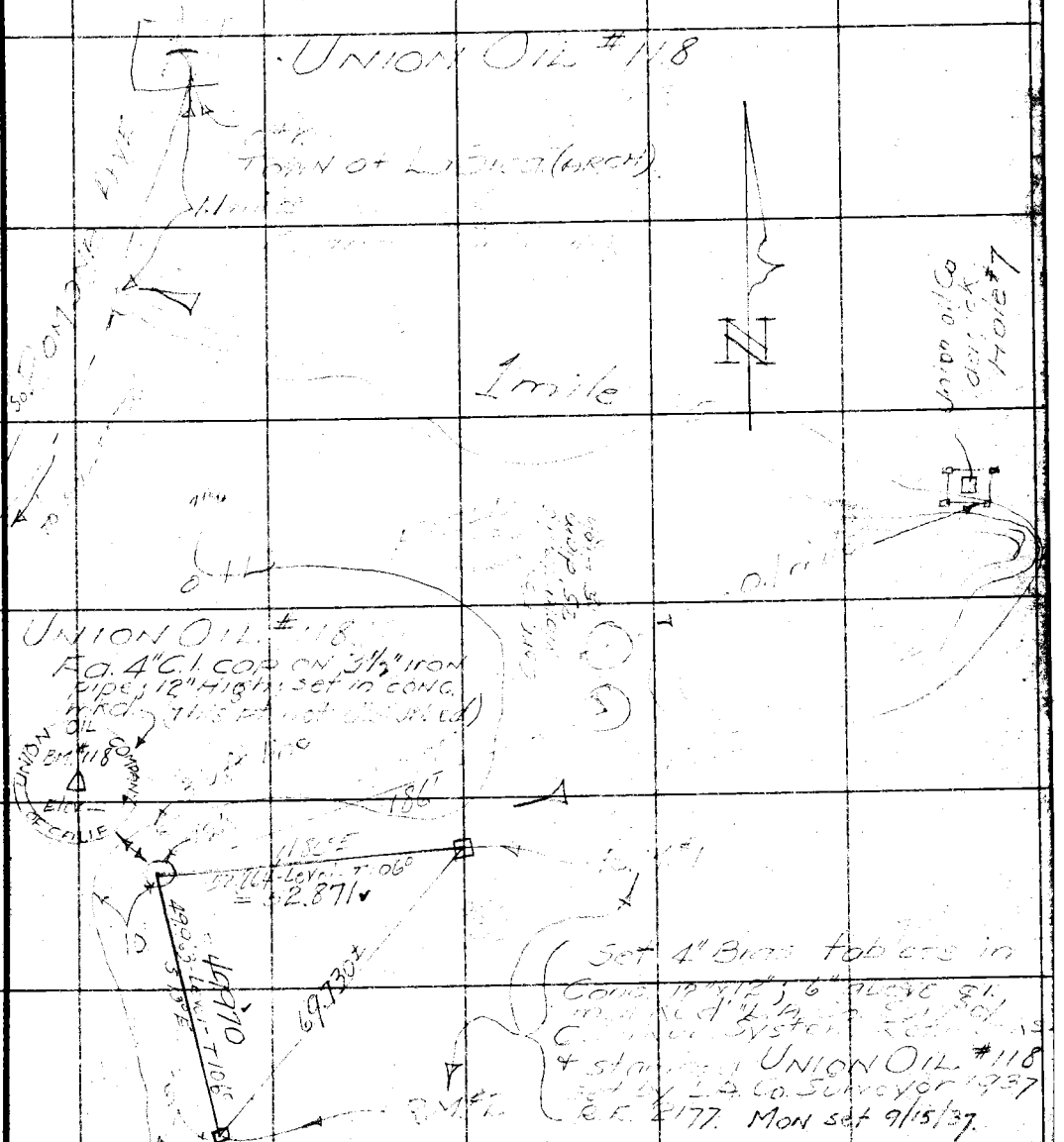
Notes Ck'd by	Survey of Ponona Valley	F.B. 696 Pg. 137
Map No.	W. O. 4914 Tape No. 964 St'd 24 °F.	Orange County
Office Work	Surveyed by Butler	
Checked	Notes Butler Date 9/15/37	
Date	Indexed	

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. Co. SURVEY CONTROL

TRIANGULATION STA.



For description See pg. 138.

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 138

Description

[illegible] Co. Survey Control
[illegible]
UNION OIL #118

In Orange Co; about 1.2 miles [illegible] town of [illegible]. On highest [illegible] hill of range [illegible] [illegible] [illegible] [illegible] 1.2 [illegible] 1.9 miles [illegible]

From [illegible] [illegible] (main sheet) [illegible] miles. [illegible] oil field road [illegible] [illegible] mile to station

Sta. [illegible] [illegible] 3½" iron pipe; 12" High; set in concrete mud "UNION OIL [illegible] CALIF BM #118"

Note:

This [illegible] [illegible] [illegible]

For sketch see pg. 137

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Notes Ck'd by	Survey of Geod. Cont. Sys.-Pomona valley
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.
Office Work	Surveyed by S.E. Butler
Checked	Notes G. Kleineck Date 9-24-'37
Date	Indexed A. C. Johnson

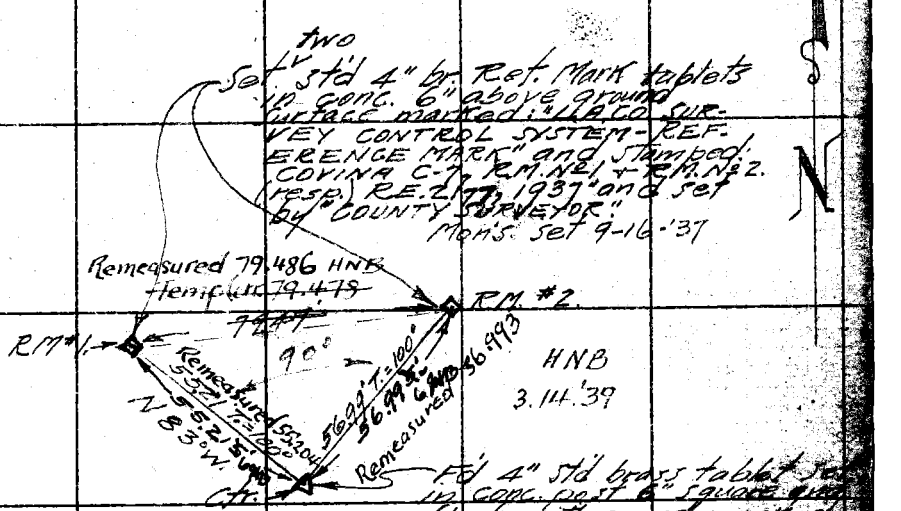
F.B. 696 Pg. 139

W.S. 39

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Obj.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION-"COVINA C-7"; (U.S.G.S. CO-OP MON. "SAN TUZE").

SEE FB. 942-181, 182 FOR NEW ROUTE DESCRIPTION AND R.M. # 3 11-76 [illegible]



See pg 140 for description.

Note: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN Red Ink. WITH DATE AND NAME OF PERSON MAKING CHANGE.
Do not extend notes this side of this line
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
FORM 247 10M 8-31

F.B. 696 Pg. 140

~ DESCRIPTION ~

L.A. CO. SURVEY CONTROL TRIANGULATION STATION "COVINA C-7" (U.S.G.S. "SAN TUZE")

In L.A. Co., 3.75 miles South from town of Covina and about 2.0 miles Southwest from Buzzard Creek on most westerly high peak of San Jose Hills.

SEE FB. 942-182 FOR NEW ROUTE DESCRIPTION ONLY. 11-76

To reach Sta. go east from business center of town of Pueblo on Pomona Blvd. 3.35 miles to J.B. Galleano Ranch road leading north; proceed along same 0.6 mi. to ranch bldgs and open fields; go to right for 0.35 mi.; go left for 0.9 mi. to fork in road; keep to right for 0.85 mi. to base of point of ridge; ascend along same about 1.0 mi. to summit and sta.

Alternate route: From town of Walnut on Pomona Blvd., go north on Lemon St. 0.9 mi. to San Jose Ranch bldgs.; pass thru ranch holding to road on left for about 1.5 miles to fork in bottom of wash; turn right, go 0.4 mi. to point of ridge and ascend for approx. 1.0 mi. to summit and sta.

Sub-Surface Mark: None

Surface Mark: Fd std 4" brass tablet set in concrete 6" square at surface and flush with ground marked: "U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY" and stamped: "SAN TUZE — R.S. 1923"

Note: Did not disturb.

For sketch see pg. 139

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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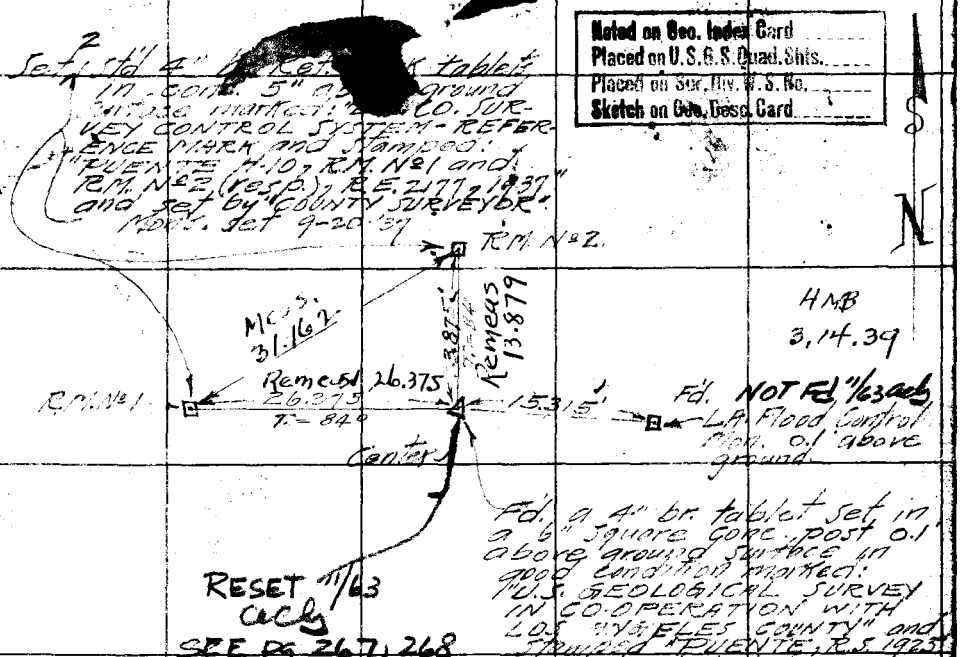
Notes Ck'd by	Survey of Geod. Int. Sys. Form... F.B. 696 Pg. 14
Map No.	W. 6914 Tape No. 664 St'd 24 °F.
Office Work	Surveyed by S.E. Butler
Checked	Notes Kremeck Date 9-22-37
Date	Indexed

W.S. 38

L.A. CO. SURVEY CONTROL TRIANGULATION STATION- "PUENTE H-10" (U.S.G.S. "PUENTE")

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



HMB 3.14.39

NOTE: SEE FB 942-177-180 FOR LATER SURVEY W.A.R. 10-76

For description see pg. 142.

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

Do not extend notes this side of this line

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

FORM 247 10M 11-35

~ DESCRIPTION ~

L.A. CO. SURVEY CONTROL TRIANGULATION STATION "PUENTE H-10"

Station is 1.25 miles east of town of Puente, on highest point of range of isolated hills which lay to the east of town.

11-76 ans

SEE FB. 942 - 178 FOR NEW ROUTE DESCRIPTION

Can be reached from intersection of "Pass and Covina Road" with Pomona Blvd. which is easterly from town of Puente 1.8 miles; thence northerly on P. & C. Rd. 0.4 mi. to gate and road on left leading thru Hurley ranch; follow same thru field 0.5 mi. to gate on southerly side of hills; thence northwesterly along bottom of ravine 0.6 mi. to old camp-site at base of ridge; ascend to highest point and station 800'± distant.

Sub-Surface Mark: None.

Surface Mark:

Fd. a 4" brass tablet set in a 6" square concrete post 0.1' above ground surface in good condition, marked: "U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY" and stamped: "PUENTE, R.S. 1923."

For sketch see pg. 141

RETURN TO
LOS ANGELES COUNTY ... OR
700 HALL OF RECO...
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.

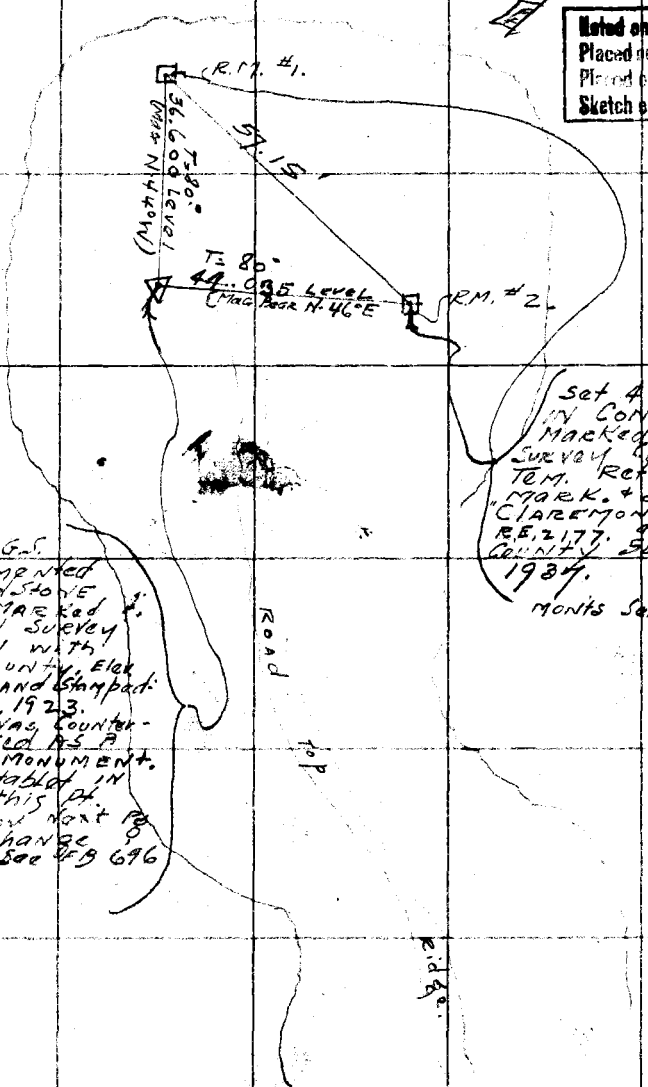
Notes Ck'd by	Survey of POMONA Valley Area
Map No.	W. O. 4914 Tape No. 064 St'd 84°F.
Office Work	Surveyed by S.E. Butler.
Checked	Notes H.E. Granquist Date 9-21-37
Date	Indexed A. C. Johnson

F.B. 696 Pg. 143

W.S. 49

L.A. County Survey Control System.
Triangulation Station "Claremont C-10."
U.S.G.S. "POMONA"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



Set 4" Br. tablet in Concrete, Marked L.A. County Survey Control Syst. Tem. Reference Mark. + Stamped "Claremont C-10" R.E. 2177. and Set By County Surveyor 1937.
Monts Set 9/21/37

Fd. 4" Std. U.S.G.S. Br. tablet cemented in place sandstone 18"x12"x12" marked U.S. Geological Survey in Cooperation with Los Angeles County. Elev. Above Sea Δ and Stamped "POMONA" R.S. 1923. This Point was Counter-sunk 44" used as a subsurface monument. Set a 4" Br. tablet in Conc. over this pt. See Discription Next Pg. For Grade Change Level Notes See FB 696 Pg. 145.
Mon. Set 9-21-37

See pg. 144 for description.

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 144

STATION DISCRIPTION.

L. A. COUNTY SURVEY CONTROL TRIANGULATION STATION: "CLAREMONT C-10."

IN LOS ANGELES COUNTY, 2.0 MILES SOUTH & BY 2.0 MILES WEST OF TOWN OF POMONA. T2S, R9W, 0.25 MILE EAST BY 0.12 MILE SOUTH OF CORNER OF SECTIONS 1, 2, 11, AND 12, ON HIGHEST PEAK OF PUENTE HILLS.

ROAD DISCRIPTION.

FROM: INTERSECTION of So. PARK AVE & LEXINGTON AVE'S. Proceed South ON So. PARK AVE. 0.3 Mile TURN Right ON to dirt Rd. THENCE 0.5 Mi. to FORK IN Rd take LEFT Rd 0.1 MI. to FARM YARD. (Phillips Place) THENCE go West of barn & East of Trees to CORRAL Gate ENTER CORRAL & Proceed 150 ft So to FENCE CORNER. TURN Right & Proceed 0.8 Mi. on cow Path So of Fence on North Side of Hill to Gate. thence 0.3 Mi. to Saddle, Thence 0.3 Mi. down Valley turn Right Leaving Travel Road 0.2 mile up Small TURN Left up Side Hill, 35 to top Hill thence westerly on top of Ridge to A CLAREMONT C-10.

Sub-Surface MARK:

USED ORIG. 4" Std Br Tablet IN SANDSTONE Marked: U.S.G.S. SURVEY IN COOPERATION With L. A. County, Above Sea Level & Stamped R.S. 1923. This Stone was cut 10" x 8" x 8" AND Set 40" Below Surface Tablet.

SURFACE MARK:

SET 4" Br tablet IN CONC. 6" ABOVE SURFACE Grd. Marked L.A. COUNTY SURVEY CONTROL SYSTEM. TRIANGULATION Station & Stamped CLAREMONT C-10" RE 21 77. & Set by County SURVEYOR. 1937.

MON Set 9/21/37

See pg 145 for sketch

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

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Notes Ck'd by	Survey of POMONA Valley Area	F.B. 696 PG. 145
Map No.	W. O. 4914 Tape No. 064 St'd 84 °F.	⊼ H.E. Granquist
Office Work	Surveyed by Butler. SE	⊥ C.E. Durbin
Checked	Notes GRANQUIST Date 9-21-37	
Date	Indexed	

GRADE CHANGE.

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION "CLAREMONT C-10."

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

STATION	+	H.I.	−	ELEV.	
CTR MON. U.S.G.S. POMONA.	5.183	105.183		100.000	ASSUMED ELEV.
T.P.B.M. #1.			5.070	100.113	T.P.B.M. #1. Flood Cont. R.M. #1.
CTR MON. U.S.G.S. POMONA.	5.042	105.042		100.000	ASSUMED ELEV.
T.P.B.M. #2			5.085	99.957	Top Rock 40' East of Ctr
T.P.B.M. #1	5.498	105.611		100.113	T.P.B.M. #1. Flood Cont. R.M. #1.
L.A.Co.Δ. POMONA.			4.985	100.626	New Sta. L.A.Co. Δ Pomona.
T.P.B.M. #2	5.654	105.611		99.957	T.P.B.M. #2 Top Rock 40' East of Ctr
L.A.Co.Δ POMONA.			4.985	100.626	New Sta. L.A.Co. Δ Pomona.

For Sketch see pg. 143

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

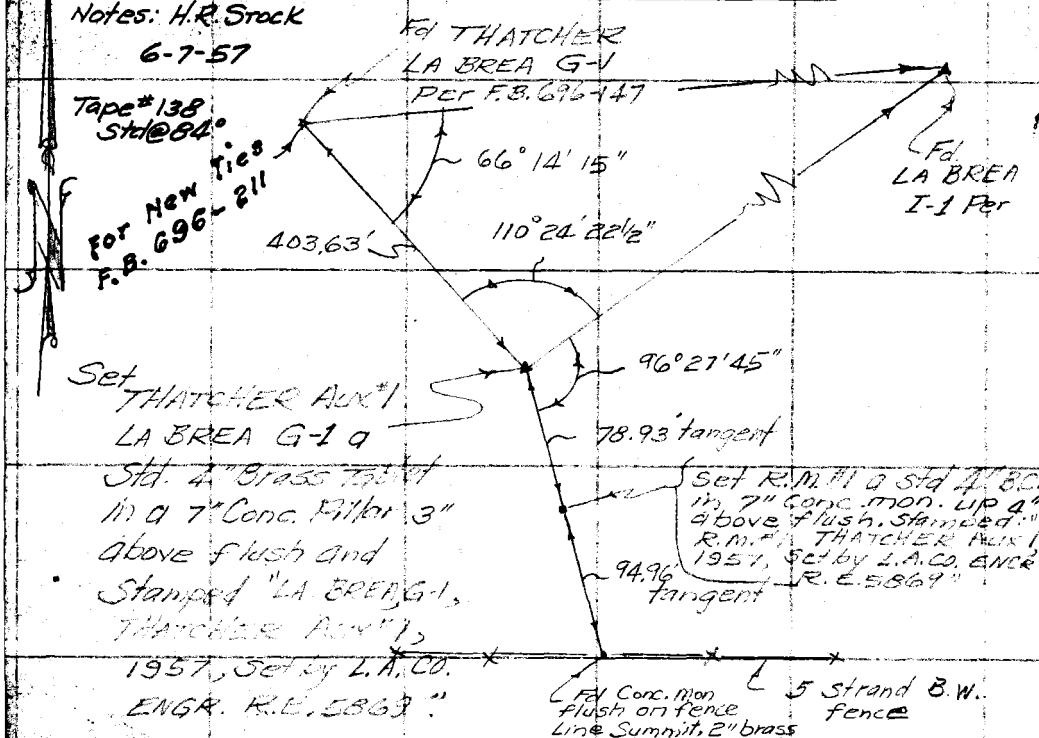
F.B. 696 PG. 146

L.A. CO. SURV. CONT. SYS. TRIANG. STA. "LA BREA G-1 AUX #1 - THATCHER AUX #1

Notes: H.R. Stock
6-7-57

Tape #138
Std @ 84°

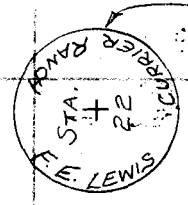
For New Ties
F.B. 696-211



Set THATCHER Aux #1 LA BREA G-1 a Std. 4" Brass Tablet in a 7" Conc. Pillar 3" above flush and Stamped "LA BREA G-1, THATCHER Aux #1, 1957, Set by L.A. CO. ENGR. R.E. 5869."

1. 96° 27' 45"
4 25° 51' 00"
= 96° 27' 45"

1. 110° 24' 30"
4. 81° 37' 30"
= 110° 24' 22½"
6. 302° 26' 15"
= 110° 24' 22½"



1. 66° 14' 15"
4. 264° 57' 00"
= 66° 14' 15"
6 37° 25' 30"
= 66° 14' 15"

Tape #138
78.93 level T = 84° = 78.93'

Aux 1 to 1x2 level 28.21 T = 84° = 28.21
1x2 to 1x2 266.45' @ 02° 30' T = 84° = 266.20
266.42' @ 02° 17' " = 266.20 } = 266.20
1x2 to 1x2 66.66' @ 9° 36' " = 65.73
66.84 @ 10° 27' " = 65.73 } = 65.73
1x2 to Mon level 43.49 T = 84° = 43.49
403.63

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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Notes Ck'd by	Survey of Geod. Cont. Sts. - Pomona Valley	F.B. 696 PG. 147
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.	
Office Work	Surveyed by S.E. Butler	W.S. 39
Checked	Notes G. Meinecke Date 9-22-'37	
Date	Indexed A. C. [illegible]	

L.A. CO. SURVEY CONTROL TRIANGULATION

STATION "LA BREA G-1" (U.S.G.S. "THATCHER.")

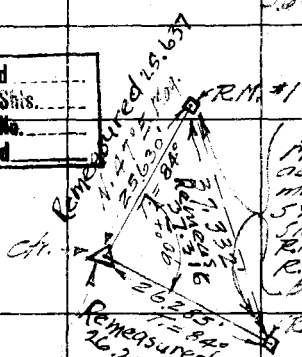
Transfer of Elevation From Old Ctr. To New Ctr. Monument.

Sta.	+	H.I.	−	Elev.
Set UP #1.-U.S.G.S. Tab.	3.935	1003.935		1000.00 Ass'd.
T.P. #1.			3.715	1000.220
T.P. #2.			3.505	1000.430
Set UP #2.-U.S.G.S. Tab.	4.415	1004.415		1000.00 Ass'd.
T.P. #1			4.195	1000.220
T.P. #2.			3.985	1000.430
3rd set UP.-T.P. #1.	3.680	1003.900		1000.220
New Tablet			3.690	1000.210 ✓
T.P. #2	3.470	1003.900		1000.430
New Tablet			3.690	1000.210 ✓

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

H.N.B.
3.14.39

FOR LATER TIES
SEE 211



Set two std 4" br. Ref. Mark tablets in conc. 3" above ground surface marked: "L.A. CO. SUR. CONT. SYS. - REF. MARK" and stamped: "LA BREA G-1, R.M. No 1 & R.M. No 2 (resp.) R.E. 2177, 1937 and set by "COUNTY SURVEYOR"

Fd. a 4" br. tablet set in small lime-stone in unstable condition, marked: "U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY" and stamped: "THATCHER, R.S. 1923

Note: Used U.S.G.S. tablet for sub-mon. and set a 4" std br. tablet in conc. 6" above ground surface marked: "L.A. CO. SURVEY CONTROL SYSTEM - TRIANGULATION STATION" and stamped: "LA BREA G-1, 1937 - R.E. 2177 and set by "COUNTY SURVEYOR."

Mon. set 9-22-'37

For description see pg. 148.

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
FORM 247 10M 11-35

F.B. 696 PG. 148

~DESCRIPTION~

L.A. CO. SUR. CONTROL TRIANGULATION STATION – "LA BREA G-1"

Sta. is about 1.0 mi. Southeast from Walnut (a station on the Southern Pacific Railway), 0.5 mi. West of Brea Canon Road or Blvd. T.2S, R.9W. in southwest quarter of [illegible]; about [illegible] W. of, by 600' north of South 1/4 Cor. of Sec. 17 on summit of high hill.

Station can be reached from intersection of Lemon Road with Pomona Blvd (State hwy #39) at town of Walnut. Go Southerly on Lemon Road 0.5 mi. to "T" intersection near U.P.R.R. Station for "Walnut"; thence 0.1 mi. to left on Lycoming Rd; thence to right 0.35 mi. on Banning Way to Banning Ranch and [illegible] with 5th St. Cross road and [illegible] direction across fields about [illegible] mi. to [illegible] visible [illegible] in group of [illegible] and [illegible].

Sub. Surface Mark: Set 44" below surface tablet in a conc. cylinder approx. 16" in dia. x [illegible] and [illegible] from surface monument by an [illegible] earth [illegible], the original U.S.G.S. 4" Std. tr. tablet marking the station and stamped "[illegible]" [illegible] 1923.

Surface Mark: Set a 4" [illegible] tablet in conc. 6" above [illegible] surface [illegible] "L.A. CO. SURVEY CONTROL SYSTEM – TRIANGULATION STATION" and stamped "LA BREA G-1, 1937 – RE-[illegible]" and set by "COUNTY SURVEYOR".

For sketch see pg 149

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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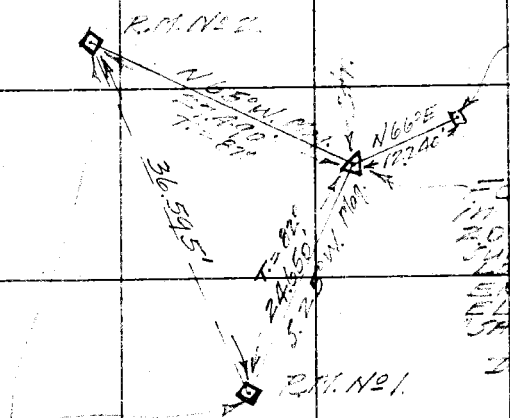
Notes Ck'd by	Survey of Good. Cont. Sys. Pomona Valley
Map No.	W. O. 4914 Tape No. 064 St'd 84 °F.
Office Work	Surveyed by S. F. Butler
Checked	Notes [illegible] Date [illegible]
Date	Indexed [illegible]

F.B. 696 PG. 149

W.S. 48

L.A. CO. SURVEY CONTROL TRIANGULATION - "COVINA G-6" (U.S.G.S. "SAN JOSE")

Noted on Geo. Index Card	
Placed on U.S.G.S. Quad. Shts.	
Placed on Sur. Div. W.S. No.	
Sketch on Geo. Desc. Card	



Fd. L.A. Co. Flood Control Mark - a br. tablet in a [illegible] post flush with ground marked "SAN JOSE" R.M. #1.

Fd. 4" Std. br. tablet set in a limestone rock approx. 20' x 1.5' x 0.2' below gr. surface marked - "U.S. GEOLOGICAL SURVEY IN CO-OPERATION WITH LOS ANGELES COUNTY" and stamped "SAN JOSE, R.S. 1923. Mon. in good condition. Did not disturb.

Set two Std. 4" br. tablets in conc. 4" above ground surface marked "L.A. COUNTY SURVEY CONTROL SYSTEM - REFERENCE MARK" and stamped "COVINA G-6 R.M. No 1 and R.M. No 2 (resp.) - R.E. 21.17" and set by "COUNTY SURVEYOR, 1937".

Mons. Set 9-23-'37.

For description See pg. 150.

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 150

~ DESCRIPTION ~

L.A. CO. SUR. CONTROL TRIANGULATION STA. "COVINA G-6"

About 2.3 miles east of, and 2.1 miles south of town of Covina on highest point of San Jose Hills, locally known as "Buzzard Peak".

[illegible] from north [illegible] of Barranca St. with State Hwy 60-70-[illegible] [illegible] about [illegible] east of town of Covina. Go southerly on Barranca St. 0.7 mi. to Cameron Ave; thence to left on Barranca 1.8 mi's to summit; pass thru wire gate on left (road not open to public) and walk north-eastern ½ mile to highest point of [illegible] ridge and [illegible].

Alternate route from south:- From town of Walnut go easterly on [illegible] 1.8 miles; turn left [illegible] Barranca St. and follow to summit 2.6 miles distant. From this point follow directions [illegible].

Sub-Surface Marks None.

Surface Mark:- A Std 4" brass tablet set in a limestone rock [illegible] 20' X 1.3' and 0.2' below ground surface marked "U.S. GEOLOGICAL SURVEY IN CO-OPERATION WITH LOS ANGELES COUNTY" and stamped "SAN JOSE, R.S. 1923".

For sketch see pg 149.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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76F309S CE #310 6-62

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Map No.
Office Work
Checked
Date

Survey of
JN Tape Std °F
Surveyed by
Notes
Indexed Date

F. B. PG.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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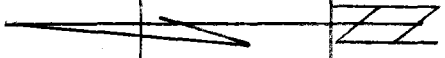

F. B. _____ PG _____

76F309S CE #310 6-62

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Survey of
JN Tape Std °F
Surveyed by
Notes Date
Indexed

F. B. PG.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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F. B.____ PG.____

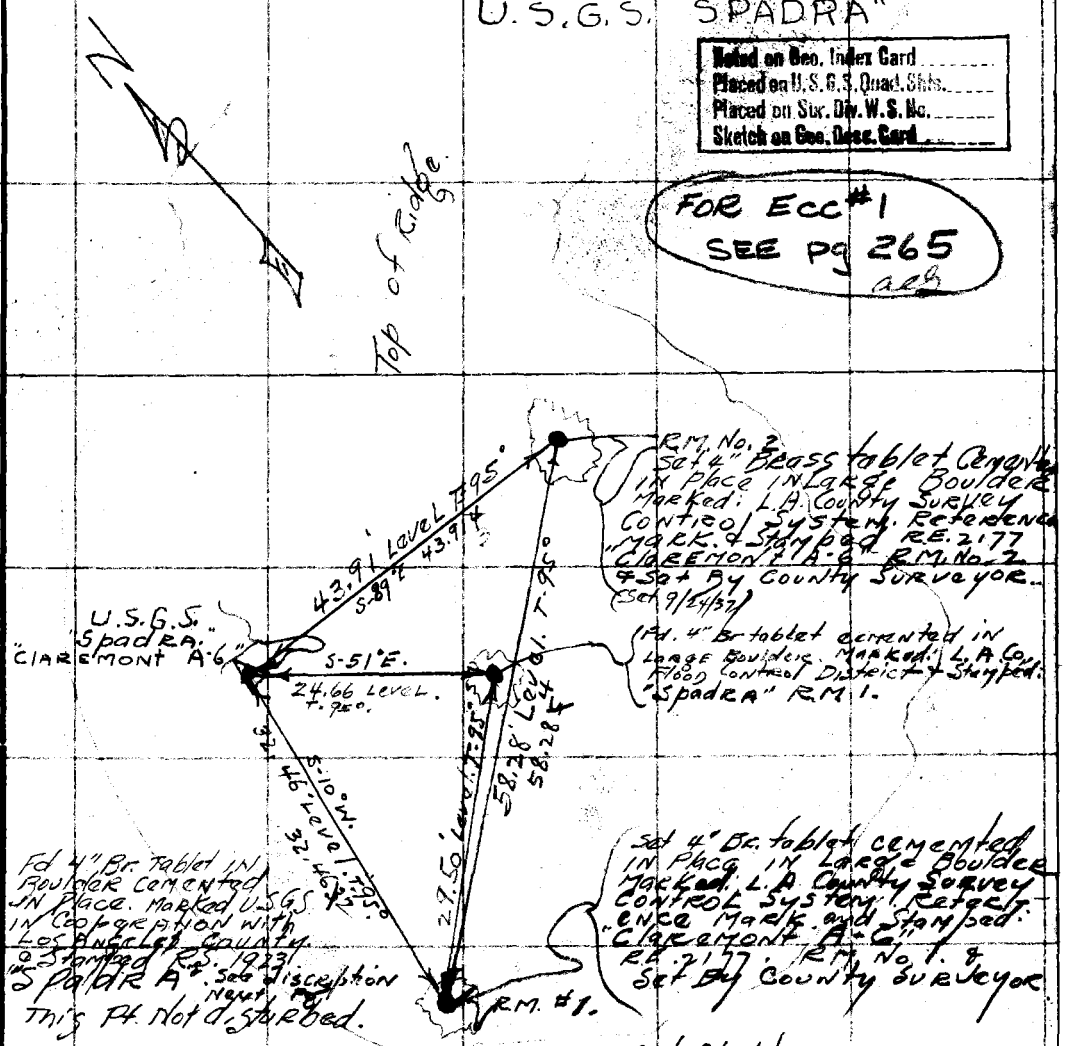
Notes Ck'd by	Survey of Pomona Valley Area	F.B. 646 Pg. 151
Map No.	W. O. 4914 Tape No. 064 St'd 84 °F.	T. H.E. Granquist
Office Work	Surveyed by Butler S.E.	RC R.E. Cunningham
Checked	Notes H.E. Granquist Date 9-24-37	9/24/37
Date	Indexed	W.S. 48

L.A. County Survey Control System. Triangulation Station "Claremont-A-6"

U.S.G.S. "SPADRA"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

FOR Ecc #1 SEE pg 265 arb



set 9/24/37.

For description see pg. 152.

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 152

"Station Description"

L.A. County Survey Control System

Triangulation Station.

"Claremont-A-6.

In Los Angeles County. California,
1 mile East of Spadra (A.R.R. Station
on Southern Pacific Railroad) 0.5
miles South of Track, on most
Northerly High poit of Fuente Hills

Road discription:
From Buena Vista Ave & West Fifth Ave.
(Westerly section of town of Pomona)
Proceed Westerly on West Fifth Ave
1.6 Mile. to Larged Cut. Thence Walk
up side Hill on North Side of Fifth Ave
to Highest peak.

Sub-Surface Mark:
None Set.

Surface Mark:
Ed std. 4" Br. tablet cemented in
Place in Boulder flush with Grd. marked:
U.S.G.S. in cooperation with Los Angeles
County. Above "Sea Level" and Stamped:
R.S. 1923. "Spadra"
This Point Not disturbed.

Set 2 Ref. Marks See previous Pg for
description

See pg. 151 for Sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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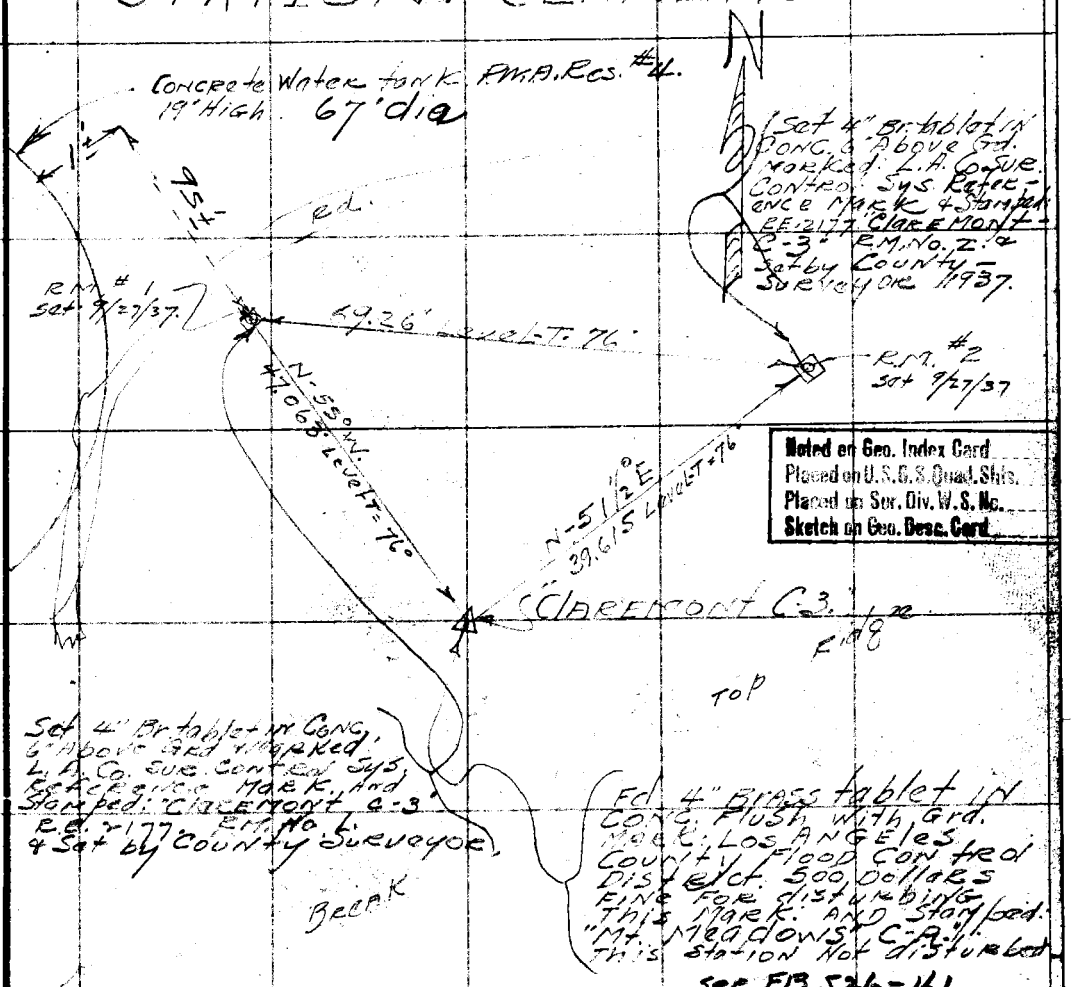
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making change.

Notes Ck'd by	Survey of Pomona Valley Area	F.B. 676 Pg. 153
Map No.	W. O. 4914 Tape No. 064 St'd 4° F.	T.H.E. Granquist.
Office Work	Surveyed by S.E. Butler.	H.C. K.C. Moser.
Checked	Notes H.E. Granquist Date 9/27/37	K.C. K.E. Cunningham.
Date	Indexed [illegible]	W.S. 49

L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION: "CLAREMONT-C-3".



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Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

See pg. 154 for description.

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 154

STATION DESCRIPTION.

L. A. COUNTY SURVEY CONTROL TRIANGULATION STATION:

"CLAREMONT C-3".

IN LOS ANGELES County, CALIF., ON TOP OF HIGH RIDGE N.W. OF TOWN OF POMONA 2MI. & 1MI. S.W. OF L. A. COUNTY FAIR GROUNDS.

Rd discription:

FROM INTERSECTION of CANON WAY AND PARK DRIVE. PROCEED 0.3 MILE South on CANON-WAY. TO Top of Hill & HILLCREST DRIVE. THENCE Westerly ON Gillcrest DRIVE TO Gate IN Fence THENCE THRU. gate PROCEED 0.15 MI. Southwesterly TO Top of HILL AND STATION.

SUB-SURFACE MARK: NONE SET.

SURFACE MARK:
A 4" Br. tablet IN CONC. MARKED:
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. 500 DOLLARS FINE FOR DISTURBING THIS MARK.
AND STAMPED: "MT. MEADOWS C.A."
This station Not Disturbed.

See pg. 153 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Notes Ck'd by	Survey of Pomona Valley Area
Map No.	W. O. 4914 Tape No. 664 St'd 84° F.
Office Work	Surveyed by S.E. Butler
Checked	Notes H.E. Gandy Date 9/28/37
Date	Indexed A. C. Johnson

F.B. 496 Pg. 155

T. 4S. R. 9W. S.B.B.M.
M.C. x K.C.M.
E.C.: K.F.L.

W.S. 48

L. A. COUNTY SURVEY CONTROL TRIANGULATION STATION: GLENDORA - G-10.

Noted on Geo. Index Card
Placed on U.S.C. & G.S. Quad. Sheets
Placed on Sys. Dia. W.S. No.
Sketch on Geo. Desc. Card

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Set 4" Br. tablet in conc. 6" above Gd. Marked: L.A. County Survey Control Sys. Reference Mark # Stamped: Glendora G-10 R.E. 2177. R.M. No. 2. Set 1937 by County Surveyor.

SET 4" Br. tablet in conc. 6" above Gd. Marked: L.A. County Survey Control Sys. Reference Mark # and Stamped: "Glendora G-10" R.E. 2177. R.M. No. 1. Set 1937 By County Surveyor.

R.M. #1 Set 9/28/37

R.M. # 2 Set 9/28/37.

59.70' Level. T-74°
54.69 ÷ 6

37.5± No Clr. N.50°W. Level. T-74°

15.91' Level. T-74° N.31°W.

49.60' Level. T-74° N.41°E.

Fd. 4" Br. tablet Cemented in Place in Rock 9"x12" flush with Gd. & Marked: [illegible] Flood Control Station [illegible] Disturbing This Mark. Stamped "Blackwood R.M. 1."

Fd. 2" I.P. with cap 10" below Gd. Stamped L.A.C. [illegible] R.M. 12 12. C/S. Set

20.5± No Clr. S.86½°W. T-74°

Fd. 4" Br. tablet cemented in Place in Rock 12"x15" Flush with Ground. Marked: U.S.C.G.S. Cooperation with Los Angeles County Elev. Above Sea. Stamped: "Blackwood" E.S. 1923 This Mark used for Sub-Surface Mark. Set 4" below Surface Mark. For Description of Surface Mark See Next Pg. for Triangle Change Note See Pg. 157 FB 696.

Mon. Set. 9/29/37

See pg. 156 for description.

FORM 247 10M 11-35

F.B. 696 PG. 156

STATION DESCRIPTION.

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION

"GLENDORA - G-10.

"U.S.G.S. BLACKWOOD." - OLD POINT

IN LOS ANGELES COUNTY, CALIFORNIA, 1.5 MILES SOUTHEAST OF TOWN OF GLENDORA, ON HIGHEST POINT OF RANGE OF HILLS WHICH LIES TO THE SOUTHEAST OF GLENDORA.

Road Description:

FROM INTERSECTION FOOTHILL BLVD AND GLENDORA AVE

PROCEED 0.8 MILES EAST ON FOOTHILL BLVD. TO DIRT RD ON SOUTH SIDE OF BLVD. TURN RIGHT OR SOUTH ON DIRT RD 0.1 MILE TO GATE THENCE 1.05 MILE TO TOP OF HILL. THENCE 200'± EAST ERLY TO STATION.

SUB-SURFACE MARK:

SET 4" BR. TABLET CEMENT IN PLACE IN ROCK 44" BELOW SURFACE PT. MARKED: U.S.G.S. IN COOPERATION WITH L.A. COUNTY AND STAMPED "R.S. 1923. BLACKWOOD."

THE ABOVE PT. WAS ORIG SURFACE MARK.

SURFACE MARK:

SET 4" BR. TABLET IN CONC. 6" ABOVE GD. MARKED: L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION. + STAMPED: "GLENDORA G-10." R.E. 2177. + SET BY COUNTY SURVEYOR, 1937.

See pg. 155 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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 POMONA-Valley Area
Map No.	W. O. 4914 Tape No. 064 St'd 84°F.
Office Work	Surveyed by S.E. Butler
Checked	Notes HE Granquist Date 9/28/37
Date	Indexed A. C. Johnson

F.B. 696 Pg. 157

X-HE.G
Rod KC.M.

Grade Change, FROM U.S.G.S. Blackwood
To - L.A. Co. Surv. Cont. Triangulation
Station. "Glendora - G-10.
O.D. Sta. U.S.G.S. Blackwood

Station.	+	H-I	—	Elev.	
U.S.G.S. ctr.	4.520	104.520		100.000	U.S.G.S. Blackwood Assumed Elev.
T.P.B.M. #1			3.890	100.630	L.A.F.C. BM. 2" I.P. 1912.678
U.S.G.S. ctr.	4.159	104.159		100.000	U.S.G.S. Blackwood Assumed Elev.
T.P.B.M. #2			4.706	99.453	4" Br. tab. L.A.C. F.C. RM. #1
T.P.B.M. #1	5.883	104.513		100.630	
New Ctr. L.A. Co. Surv. Glendora-G-10			4.258	100.255	4" Br. tablet. L.A.Co. Triang. Sta. Glendora G-10
T.P.B.M. #2.	5.060	104.513		99.453	4" Br. tablet. L.A.-F.C. R.M. #1.
L.A.Co. Sur. Con. Sys Triang. Sta. Glendora-G-10			4.258	100.255	Glendora. G-10. 4" Br. tab. L.A.Co.

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

See pg. 155 for sketch.

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend notes this side of this line
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
FORM 247 10M 11-35

F.B. 696 Pg. 158

Oct. 13-1937
By [illegible]

LEVELS FOR TRANSFER OF
ELEVATION OF OLD MONUMENT MARKED
"U.S. GEOLOGICAL SURVEY IN CO-OPERATION
WITH LOS ANGELES COUNTY" & STAMPED:
"SHAY - R.S., [illegible]"

TO

NEW MONUMENT MARKED:
"L.A.Co. SURVEY CONTROL SYSTEM - TRIANGU-
LATION STATION & STAMPED: "GLENDORA L-8,
R.E., 1937" & SET BY "COUNTY SURVEYOR".

	STA	+	H.I.	—	Elev.	Remarks
Set-up #1.						
	Orig. Mon.	[illegible]	1004.[illegible]5		1000.00	- Top of Br. [illegible]
	T.B.M. #1			1.577	1003.[illegible]48	
	T.B.M. #2			3.570	1001.[illegible]	
Set-up #2.						
	Orig. Mon.	4.993	1004.993		1000.00	- Top of Br. [illegible]
	T.B.M. #1			1.945	1003.048	
	" #2			3.940	1001.053	
Set-up #3.						
	T.B.M. #1	1.915	1004.[illegible]		1003.[illegible]	
	T.B.M. #2	3.910	1004.964		1001.[illegible]	
	New Mon.			4.500	1000.[illegible]	Top of Br. [illegible]

For [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

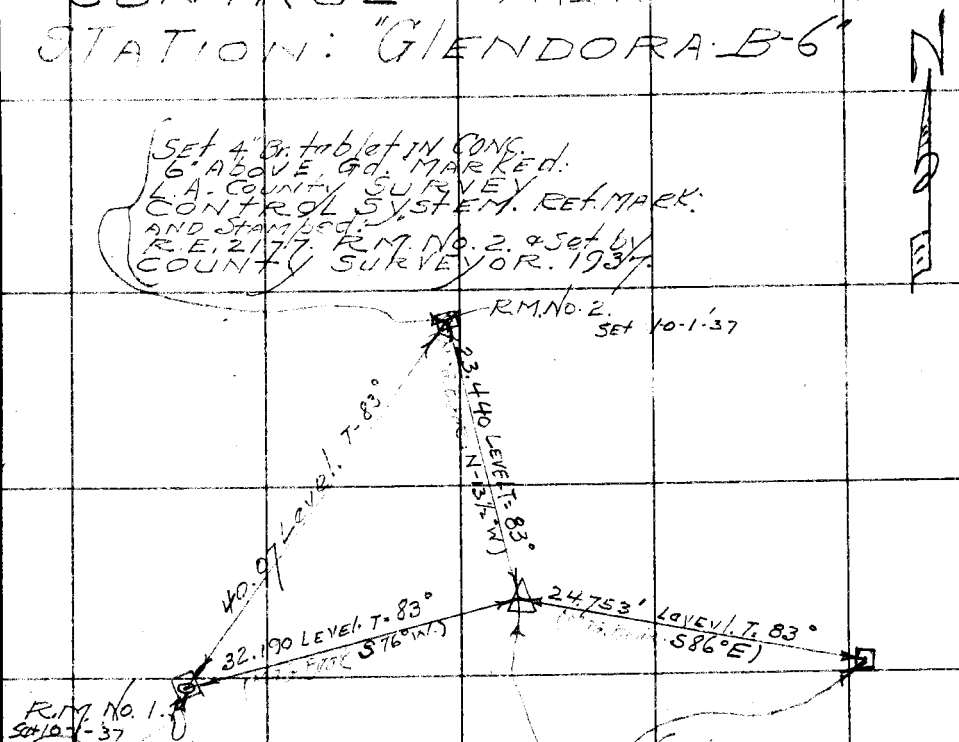
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of POMONA VALLEY AREA	F.B. 676 PG. 159
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.	T.H.E.G.
Office Work	Surveyed by BUTLER S.E.	H.C. K.C.M.
Checked	Notes GRANQUIST H.E. Date 9-30-37	R.C. R.E.C.
Date	Indexed [illegible]	

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Sht.
Placed on Ser. Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION: "GLENDORA B-6"



See pg. 160 for description

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend notes this side of this line
RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS
FORM 247 10M 11-35

F.B. 696 PG. 160

Station Discription.

L. A. County Survey Control

Triangulation Station "Glendora B-6"

U.S.G.S. Azusa.

In Los Angeles County, Calif. 2.0 Miles North by 0.5 Mile East of Town of Azusa; on high hill 0.5 Mile east of mouth of San Gabriel Canyon, About 300 ft. East of Forest Ranger or Government trail. or 350 ft ± Westerly of int. of Forestry Road and Ridge.

Road discription: From town of Azusa Proceed North on Azusa Ave from Foothill Blvd. 0.75 Mile turn Left Proceed 0.2 Mile to Junction of old San Gabriel Cñ Road turn Right 0.15 Mi. to Steel Gate of S.W. Cor. of Henry Van Ginkel Property thence 2.3 Mile to top of Ridge thence Walk 400 ± S Westerly on top of Ridge to Station.

Sub-Surface Mark: None Set.

Surface Mark:
Fd Std. + br. table cemented in boulder marked: U.S.G.S. in Cooperation with Los Angeles County Surveyor Above Sea Level 2. and Stamped R.S. 1923. (This Mark Not Disturbed 300 vc. [illegible] Pads set for observing.

See pg. 159 for Sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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.

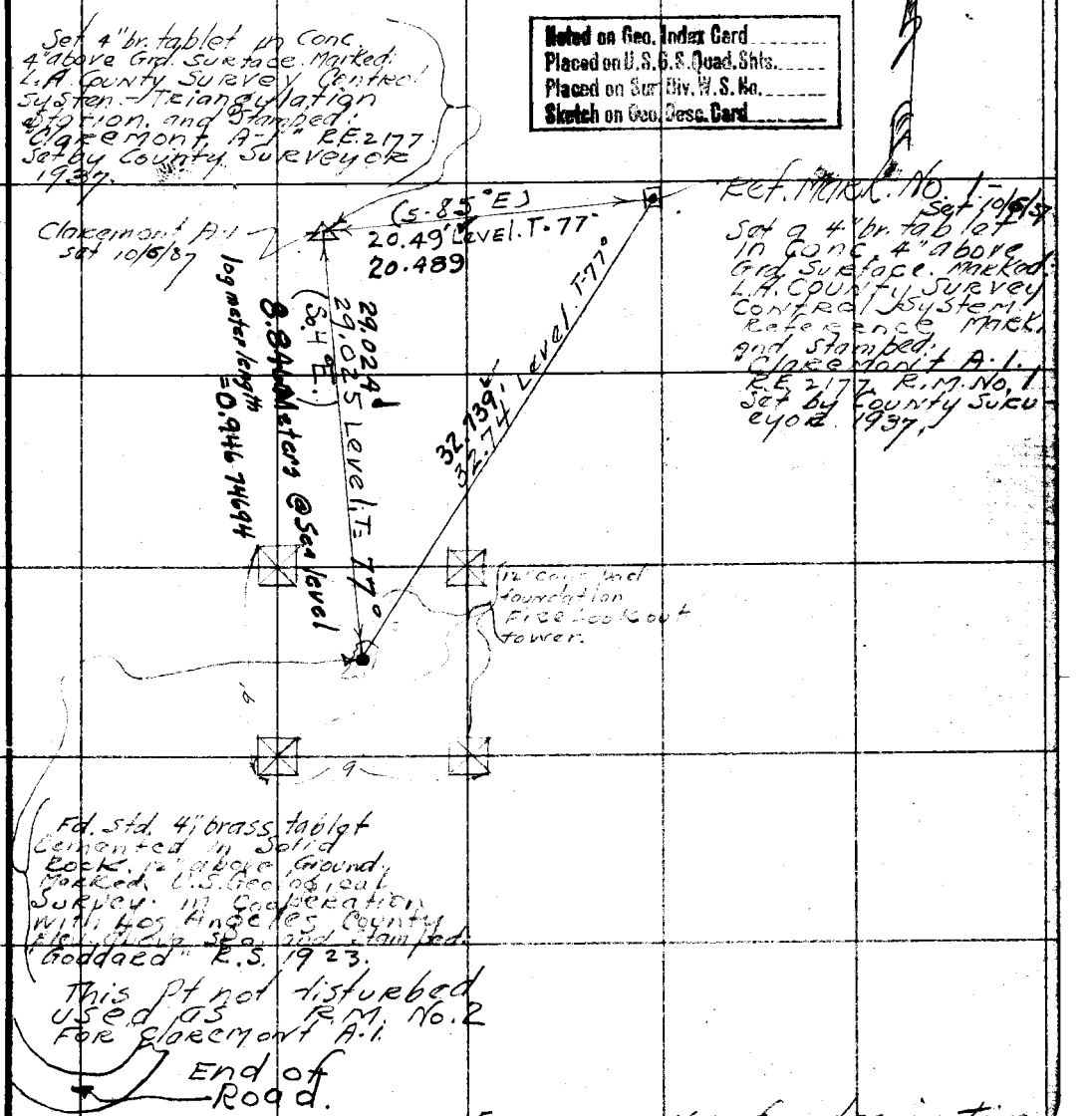
Notes Ck'd by	Survey of Pomona Valley Area.
Map No.	W. O. 4914 Tape No. 964 St'd 84 °F.
Office Work	Surveyed by S.E. Butler
Checked	Notes H. Granquist Date 10-5-37.
Date	Indexed

F.B. 696 Pg. 161

T: H.E.G.
H.C.: K.C.M.
R.G.: R.E.C.
W.S. 48

L.A. County Survey Control Triangulation Station. "Claremont -A-1."

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



See pg 162 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 162

Station Discription.

L. A. County Survey Control Triangulation Station.

CLAREMONT - A - 1.

In Los Angeles County Calif, 1.5 miles west of town of La Verne, 0.5 mile southwest of Bonita, Union High School, on highest point of East end of range of hills which lay to the Southest of town of San Dimas.

road discription:

From town of San Dimas at Bonita Ave proceed South on San Dimas Ave. 0.2 Mile to Cienega Ave. turn Left or east on Cienega Ave. 0.2 mile to Walnut Ave. turn right on Walnut Ave 0.3 to private dirt road turn Left or East this follows main dirt rd 0.6 mile to highest peak and Sta. + Ranger Lookout tower.

subsurface mark:

Set 44" below surface tablet a Lead plug & Copper tack in a conc. cylinder approx. 16" in dia. by 10" deep and Separated from surface monument by an 8" Sand & Loam Cushion.

Surface Mark:

Set a 4" br. tablet in conc. 4" above Grd. Surface marked: L. A. County Survey Control System. - Triangulation Station, and Stamped: Claremont A-1. R.E. 2177 Set by County Surveyor. 1937.

See pg 161 for sketch.

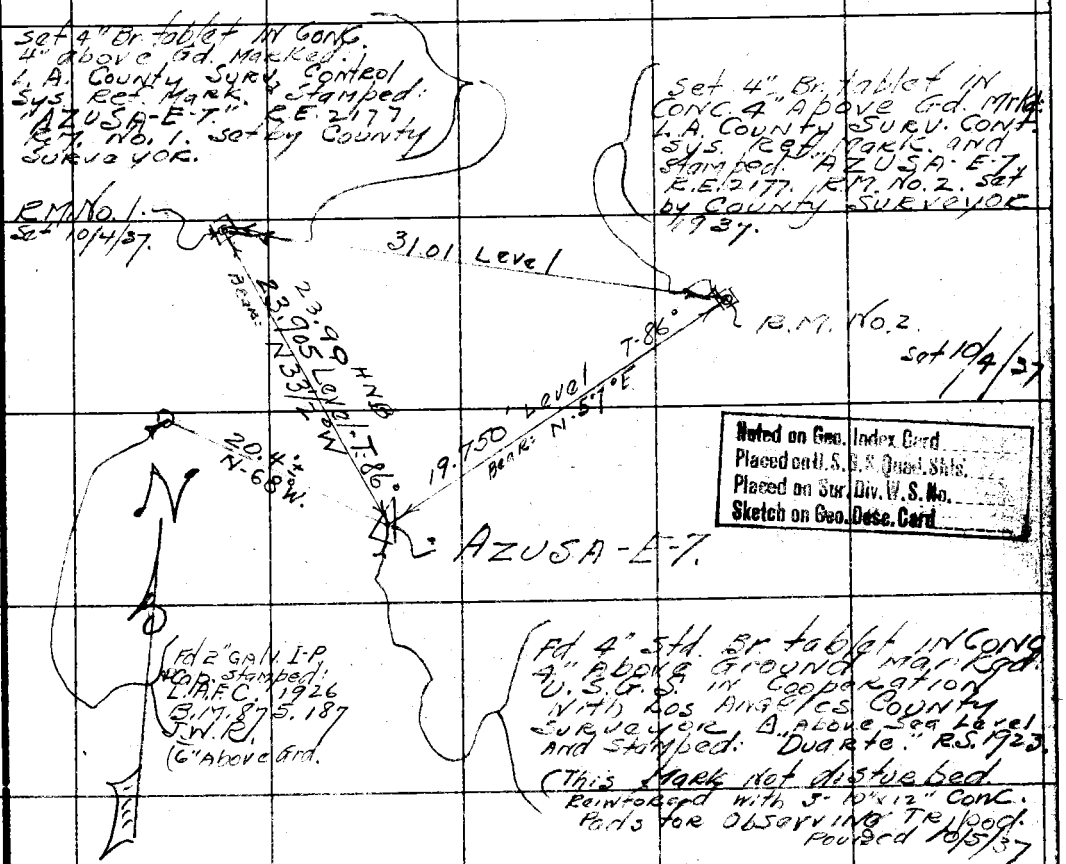
RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

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 Pomona Valley Area	F.B. 696 Pg. 163
Map No.	W. O. 4914 Tape No. 064 Std 84° F.	π-H.E.G.
Office Work	Surveyed by S.E. Butler	H.C.-K.C.M.
Checked	Notes H. Granquist Date 10/4/37	R.C.-R.E.G.
Date	Indexed A. C. Johnson	W.S. 46

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION: "AZUSA-E-7."



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Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

See pg. 164 for description

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend notes this side of this line
RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS
FORM 247 10M 11-35

F.B. 696 PG. 164

Station Discription.

L. A. County Survey Control

Triangulation Station.

"AZUSA-E-7."

In Los Angeles County, Calif.

Station is one mile North east of DUARTE, on south slope and near top of timbered hill which lies to the Northeast from the town of Duarte.

Road Discription:

Station can be reached from E. Huntington Dr. or foothill Blvd. by going North 2.2 Mi. on old foothill Blvd. to fish Canyon Road, thence east 0.1 Mi. to Duarte Ave. Cross S.P. Ry. tracks to north and Go West 0.1 Mi. turn right and go Northerly on dirt rd. winding among hills 0.75 Mi. to a point 400 ft. East of high N. & S. P/L fence. Walk to Saddle in ridge on right. Keep to right along ridge to Station.

Sub-Surface Mark: None Set

Surface Mark:

Fd. 4" Std. Br. Tablet in Conc. 4" above Ground, marked: U.S.G.S. in Cooperation With Los Angeles County. A above Sea Level and Stamped: E.S. 1923. "Duarte". This Point not disturbed 2-Ref. Marks set in Concrete.

See pg. 163 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

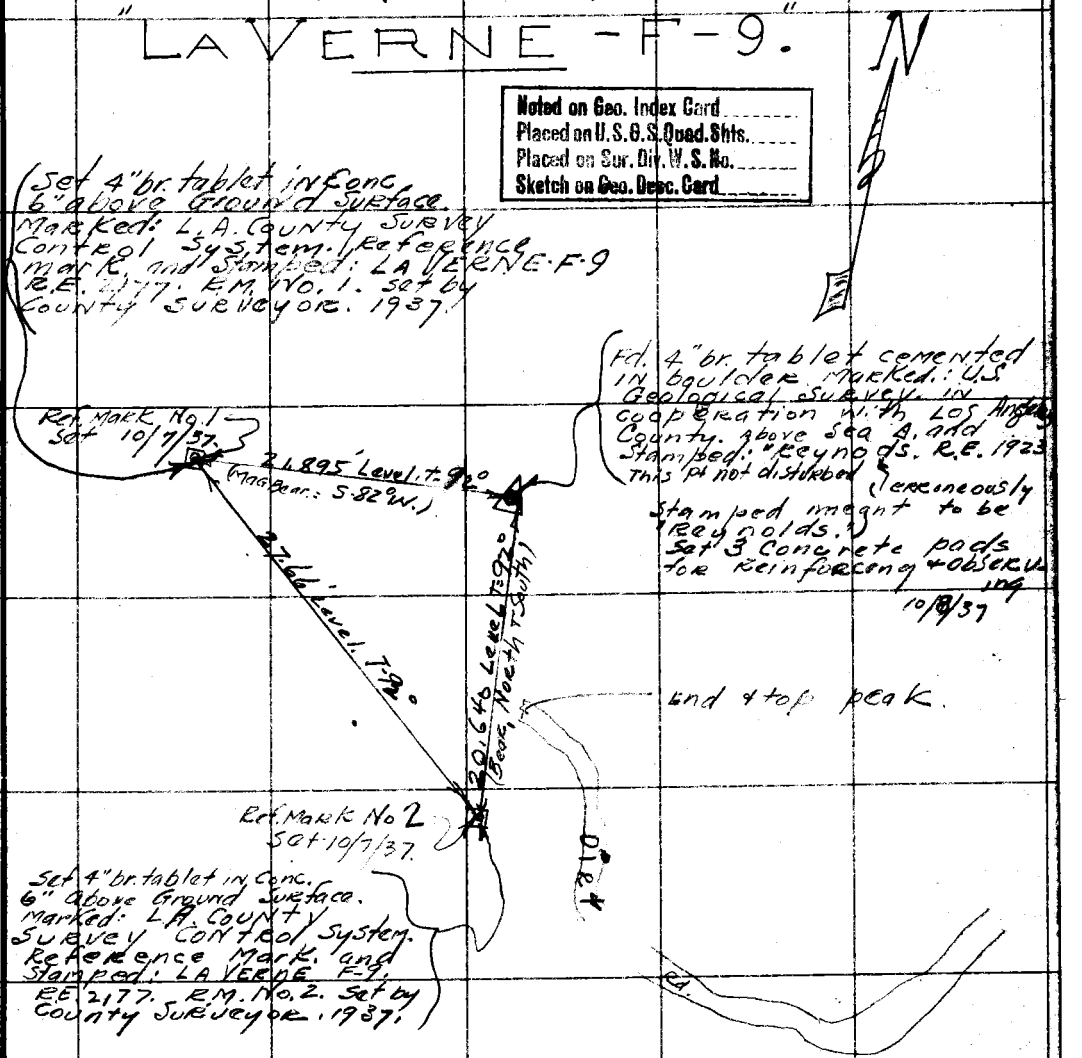
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of POMONA Valley Area	F.B. 696 Pg. 165
Map No.	W. O. 4914 Tape No. 064 St'd 84 °F.	T = H.E. Granquist
Office Work	Surveyed by S.E. Butler	H.C. = R.C. Moser
Checked	Notes GRANQUIST Date 10/7/37	R.C. = R.E. Cunningham
Date	Indexed	W.S. 50

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION. "LAVERNE-F-9."

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



See pg 166 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 166

STATION DISCRIPTION.

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION.

"LA VERNE F-9."

In Los Angeles County, Calif. 3 Miles North by 0.5 mile east of town of LAVERNE; about 0.75 Mile northwest of intersection of Williams Ave. and Live Oak Canyon Road, on high rocky hill West of Live oak Canyon.

road discription:

From Foothill blvd & Williams Ave. which is north of town of La Verne, proceed north on Williams ave. 0.5 mile to College Way. turn RIGHT on College way and proceed 0.5 mile to junction with Live Oak Canyon Rd. turn Left onto Live Oak Cn Rd Proceed 1.1 Mile to end of oil road, thence angle off to Left and proceed Westerly on dirt road 0.5 Mile to Station.

Sub-Surface Mark: None Set.

Surface Mark:

Fd Std. 4" Bi. tablet cemented in boulder. Marked: U.S. Geological Survey in Cooperation with Los Angeles County Elev. above Sea. △ and Stamped Reynods R.S. 1923. (Note: this tablet erroneously Stamped Reynods for Reynolds.)

Set 3 conc. pads for reinforcing Station & observing.

2 RM's Set. 10/7/27 See pg 165 for Sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of Pomona Valley Area
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.
Office Work	Surveyed by Butler, S.E.
Checked	Notes Granquist, H. Date 10/8/37
Date	Indexed A. C. Johnson

F.B. 696 Pg. 167

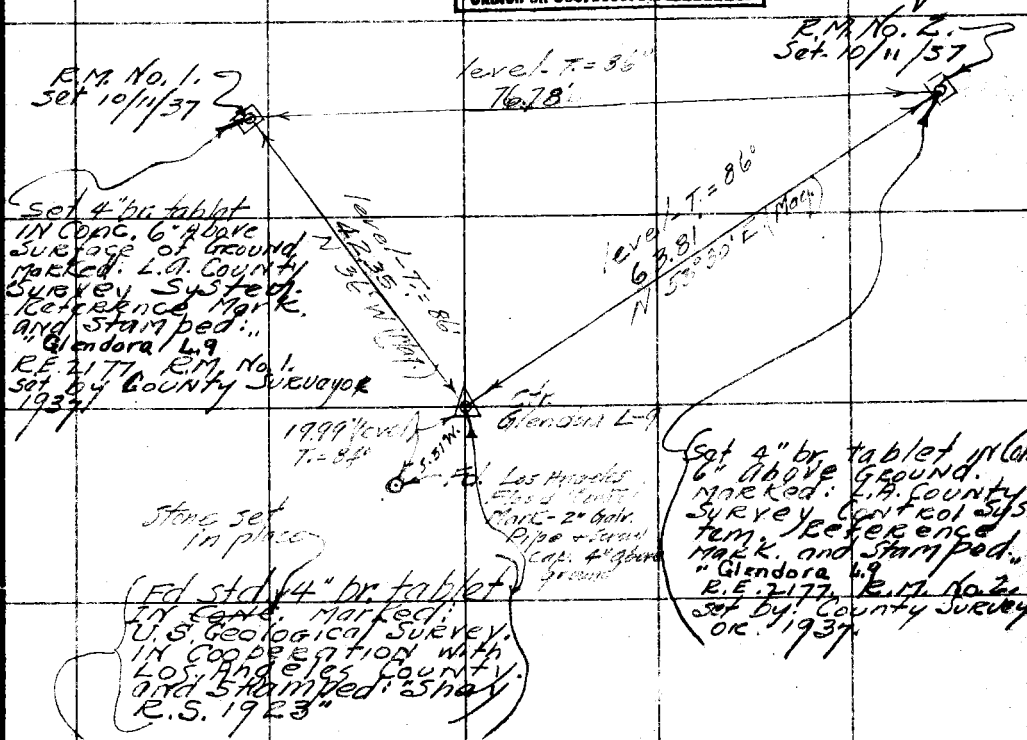
T: H.E.G.
H.C.: K.C.M.
R.C.: R.E.C.

W.S.48

L.A. COUNTY SURVEY CONTROL TRIANGULATION STATION.

"GLENDORA L-9"
(U.S.G.S. "SHAY")

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



Note: This tablet used for Sub-mark.
Set same 4" below surface tablet, a new monument. See description, next page.
Set Oct. 13-'37.
For transfer of elevation from old to new monument See pg. 158.

See pg. 168 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS.

FORM 247 10M 11-35

F.B. 696 Pg. 168

STATION DISCRIPTION.

L. A. COUNTY SURVEY CONTROL TRIANGULATION STATION. "GLENDORA L-9" "U.S.G.S. SHAY." R.S. 1923.

In L.A. Co., Calif., 20 miles north by 0.5 mi. east of town of San Dimas, 1 mi. north of Foothill Blvd. on high hill on ranch owned by A.L. Stevens.

182' N.Wly to S.W. Cor. and 187' N.Ely to S.E. Cor. of Submerged water reservoir 28' x 98' and covered with corrugated sheet-iron gable roof.

To reach Sta., go north on road to San Dimas Foothill County Park from Foothill Blvd., 0.5 mi. to locked steel double gate to motor-way leading to San Dimas Look-out Tower; thence 0.35 mi. to fork; [illegible] left thru wood gate for 0.15 mi., continue thru locked wooden gate 0.4 mi. to locked wooden gate on left; pass thru same to end of road 0.4 mi. beyond +100' north of reservoir, Sta. is about 180' South of reservoir near edge of [illegible].

Sub-Surface Mark: Set orig. surface tablet marked: U.S.G.S. "SHAY" R.S. 1923, 44" below surface tab. in a conc. cylinder approx. 16" in diameter x 10" deep and separated from surface monument by an 8" earth cushion.

Surface Mark:- Set std. 4" brass tablet in conc. 4" above ground surface marked: "L.A. Co. SURVEY CONTROL SYSTEM - TRIANGULATION STATION and stamped: "GLENDORA L-9, R.E. 2177, 1937 and set by: "COUNTY SURVEYOR".

See pg. 167 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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 Geod. Cont. Sur. Pomona
Map No.	W. O. 4914 Tape No. 064 St'd 34°F.
Office Work	Surveyed by S.E. Butler
Checked	Notes Mehrock Date 10 14 37
Date	Indexed A. C. Johnson

F.B. 696 Pg. 169

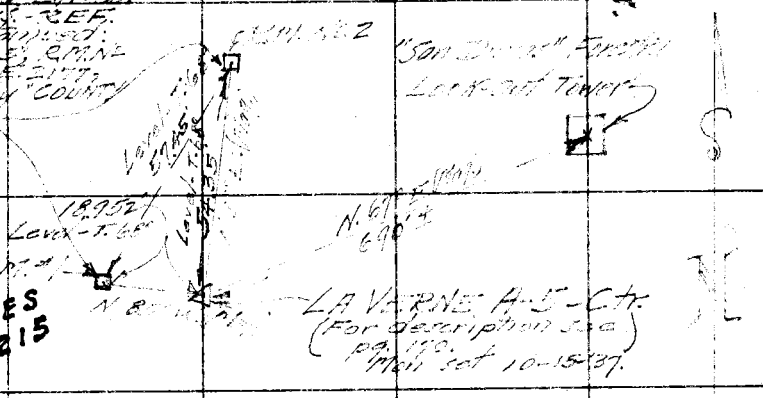
W.S. 14

L.A. Co. Sur. CONTROL TRIANGULATION

Sta. "LA VERNE A-5"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

Set 2 std 4" br. tablets in conc. 4" above gr. surface marked: L.A. Co. Sur. Cont. Sys.-REF. MARK and stamped: "LA VERNE A-5, R.M. No. 1 & 2 resp.-R.E. 2177, 1937 and set by "COUNTY SURVEYOR"



NEW TIES PAGE 215

See pg 170 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. [illegible]

~ DESCRIPTION ~

L.A. Co. Sur. Control Triangulation

Sta. "La Verne A-5"

In L.A. Co., Calif., 3.6 miles north by 0.4 mi. east of town of San Dimas near summit of high ridge running N. 65° E. and about midway between the Big Dalton & San Dimas Cañons in S.E. 1/4, N.W. 1/4 Sec. 23, T.1 N., R.9 W.

690'± S. 67° W. from center of L.A. Co. Forestry Look-out Tower, at top of sharp break in slope of ridge, on w'ly side of firebreak

To reach Sta., go north on Road to San Dimas Foothill County Park from Foothill Blvd. ~~about 1/4 mi. south of L.A. Co. San Dimas Foothill Park~~, 0.5 mi. to locked steel double gate; thence 0.35 mi. to fork, [illegible] to right [illegible] Forestry Cavity #10 and a wood gate at 0.25' mi., 2.55 miles to fork; thence to right 0.6 mi. to forestry look-out tower. Sta. is about 700' down ridge in a S.W'ly direction on fire-break

Sub-Surface Mark:

[illegible] 44" below surface tablet a lead plug and copper tack in a conc. cylinder approx. 16" in dia. x 10" deep and separated from surface monument by an 8" earth cushion

Surface Mark:

Set a 4" br. tablet in conc. 4" above ground surface marked: "L.A. Co. Survey Control System - Triangulation Station" and stamped: "La Verne A-5, RE. 2177, 1937 and set by "County Surveyor".

See pg. 169 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

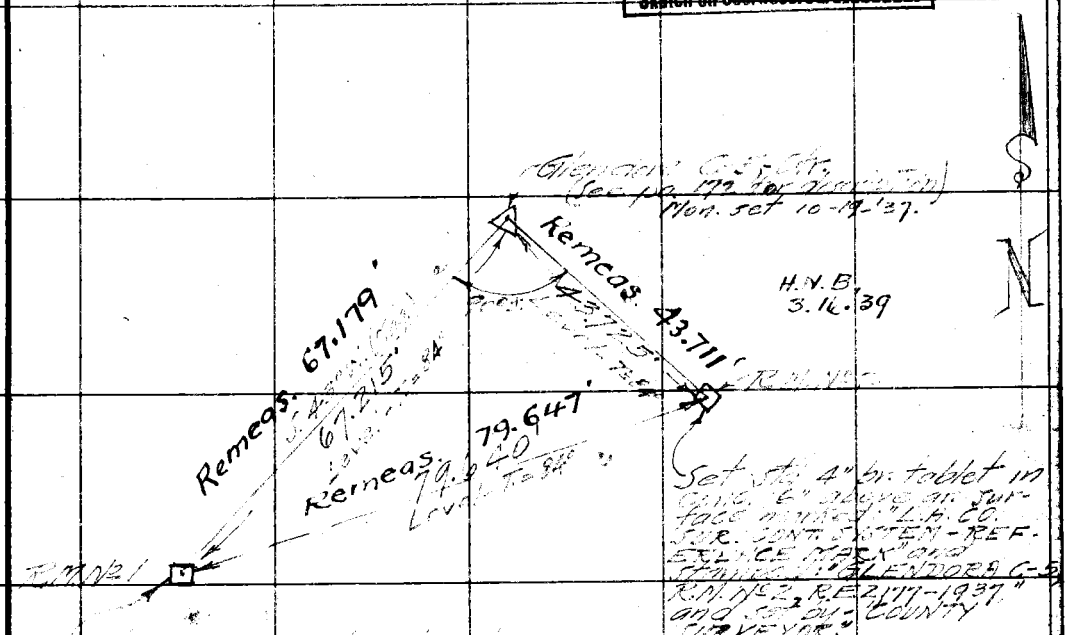
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of Good Cont. Sys. Pomona Valley	F.B. 696 Pg. 171
Map No.	W. O. 4914 Tape No. 664 St'd 84° F.	
Office Work	Surveyed by S.E. Butler	W.S.13
Checked	Notes Q.W.K. Date 10-18-'37	
Date	Indexed C. O. Johnson	

L.A. CO. SURVEY CONTROL TRIANGULATION STATION-"GLENDORA C-5"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



Set std. 4" br. tablet in conc. 6" above an surface marked "L.A. CO. SUR. CONT. SYSTEM-REFERENCE MARK" and stamped "GLENDORA C-5, R.M. No. 2, R.E. 2177-1937" and set by "COUNTY SURVEYOR."

Set a 3" brass tablet set in conc. [illegible] flush with ground surface marked: "THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA" and stamped: "FIRE BREAK"

See pg. 172 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 172

~DESCRIPTION~

L.A. CO. SUB-CONTROL TRIANGULATION STA. GLENDORA C-5"

In L.A. Co., Calif., 1½ miles north by 0.6 mi. west of town of Glendora on high point of firebreak ridge running S.wly between San Gabriel Cañon and the valley, in N.E¼ Sec 24, T.1N, R10W.

To reach sta. from west go north from Foothill blvd. at center of town of Azusa on Azusa Ave. 0.75 mi. to Cuyo. Keep to left for 0.2 mi. to junction of old San Gabriel Cn road on right. Follow same 0.5 mi. to steel gate on right at S.W. Cor. of Henry Van Gieke Orange ranch. Thence ascend in a N.Ely direction over L.A. Co. Forestry fire-road along fire-break ridge 3.25 miles to high point on ridge, walk Wly 0.25 mi. along top of ridge to sta. on north side of firebreak.

Alternate route by way of Glendora Mountain Rd from Little Dalton Cn. Ascend to summit of main ridge. Pass thru locked gate on left and follow L.A. Co. Forestry fire-road along top of ridge in a S.Wly direction to sta.

Sub-Surface Mark:- Set 44" below surface tablet a lead plug & copper tack in a conc. cylinder approx 16" in dia. X 10" deep and separated from surface monument by an 8" earth excavation.

Surface Mark:- Set a 4" br tablet in conc. 4" above gr. surface marked: "L.A. CO. SURVEY CONTROL ~~TRIANGULATION~~ SYSTEM - TRIANGULATION STATION", and stamped: "GLENDORA C-5, R.E. 2177, 1936" and set by "COUNTY SURVEYOR"

See pg. 171 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

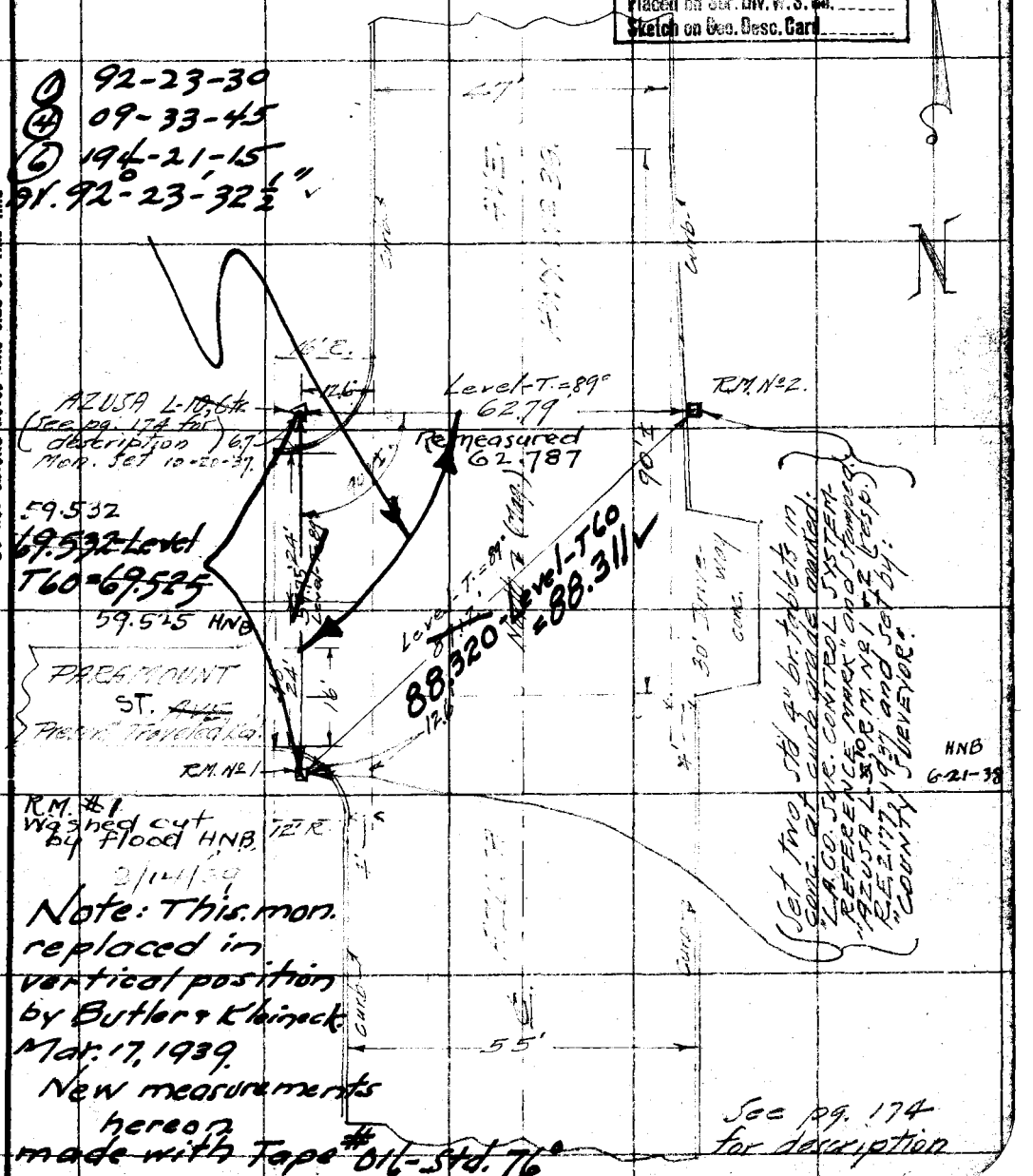
Do not extend notes this side of this line

Notes Ck'd by	Survey of Geod. Cont. Sys. Pomona Valley	F.B. 696 PG. 173
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.	
Office Work	Surveyed by S.E. Butler	W.S. 47
Checked	Notes G.W.K. Date 10-19-'37	
Date	Indexed	

L.A. CO. SURVEY CONTROL TRIANGULATION
STATION- AZUSA L-10.

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Chts.
Placed on Sur. Div. W.S. Bo.
Sketch on Geo. Desc. Card

① 92-23-30
④ 09-33-45
⑥ 194-21-15
AV. 92°-23'-32½"



Note: This mon. replaced in vertical position by Butler & Kleineck Mar. 17, 1939.
New measurements hereon made with Tape # 016-Std. 76°

See pg. 174 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 174

~DESCRIPTION~

L.A. CO. SUR. CONT. TRIANGULATION
STA. "AZUSA L-10."

In L.A. Co., City of Azusa about 0.9 mi. due south from center of town or Foothill Blvd., at N.W. Cor. of intersection of Azusa Ave with Paramount Ave.

12.6' west of west curb line of Azusa Ave. 30.7' north from approx. ℄ of Paramount Ave. as fixed by existing curb returns.

Sub-Surface Mark: Set 44" below surface tablet, a lead plug and copper tack in a conc. cylinder approx. 12" in dia. x 8" deep and separated from surface monument by an 8" earth cushion

Surface Mark:- Set a 4" brass tablet in conc. 4" above ground surface marked: "L.A. CO. SURVEY CONTROL SYSTEM - TRIANGULATION STATION" and stamped: AZUSA L-10, RE 2177 1937 and set by "COUNTY SURVEYOR".

See pg. 173 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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.

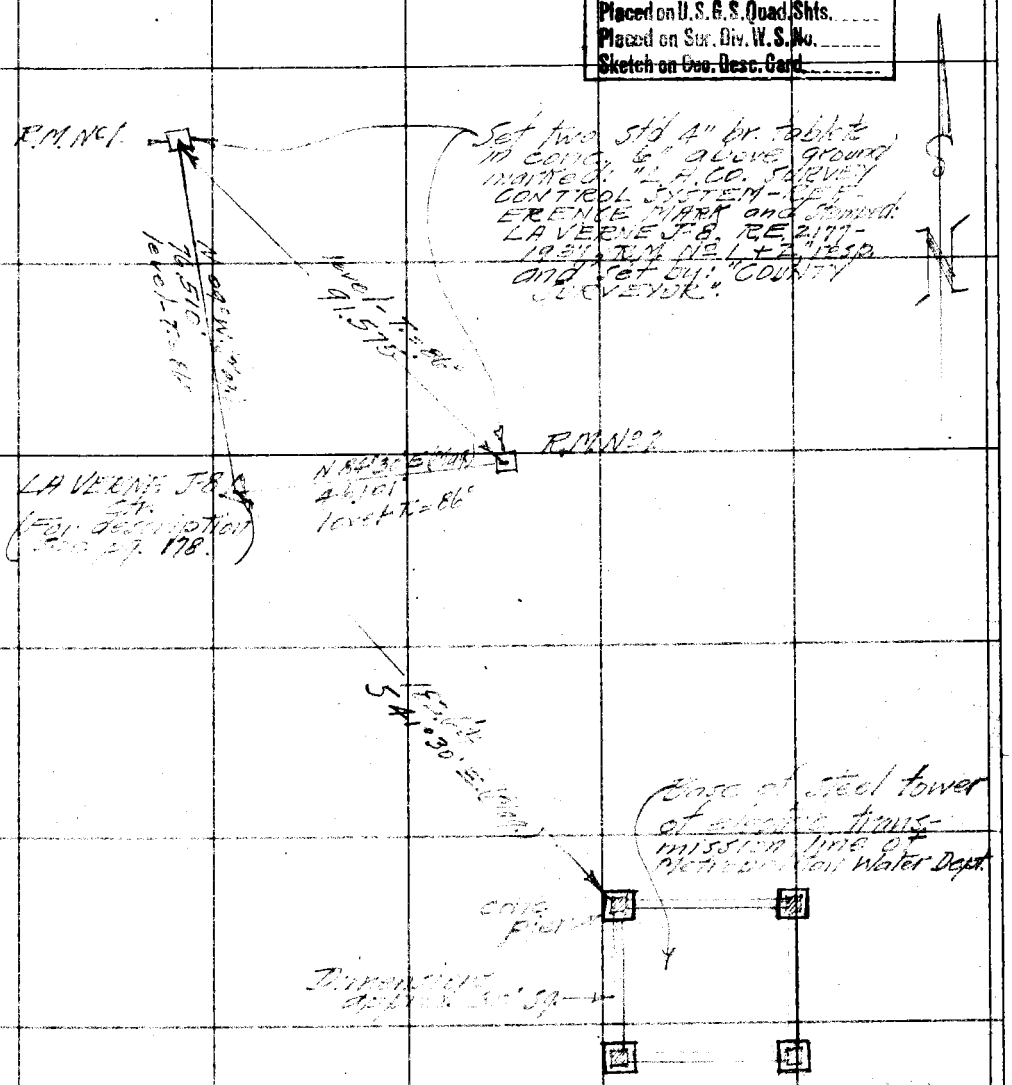
Notes Ck'd by	Survey of Geod. Cont. Sys.-Pomona Valley
Map No.	W. O. 4914 Tape No. 064 St'd 84° F.
Office Work	Surveyed by S.E. Butter
Checked	Notes G.W.K. Date 10-22-37
Date	Indexed A. C. Johnson

F.B. 696 PG. 177.

W.S. 50

L.A. CO. SURVEY CONTROL TRIANGULATION
STATION "LA VERNE J-8"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



For description see pg. 178.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 178

~DESCRIPTION~

L.A. CO. SUR. CONTROL TRIANGULATION STATION "LA VERNE J-8"

In L.A. Co., Southerly edge of foothills of San Gabriel Mts. about 2.4 miles north by 0.5 mi. west of town of Claremont, in S.E. Cor. of S.W. 1/4 of Sec. 28, T.1N., R.8W. near 1/4 Cor. Bet. Secs. 28 and 33.

Station can be reached by [illegible] north on Mountain Ave. (West [illegible]) from Foothill Blvd., 0.95 mi. to Base [illegible] Ave., thence [illegible] mi. to Oxford [illegible], thence north on [illegible] mi. to locked gate at base of hills, ascend on winding road [illegible] mi. to fork [illegible] of [illegible] [illegible] water [illegible] [illegible] [illegible] [illegible] [illegible]

182.6' ± N 45° 30' W. [illegible] Steel electric transmission tower.

[illegible] Mark: Set [illegible] below surface tablet a lead plug and [illegible] in a conc. cylinder approx. 12" in [illegible] and separated from surface [illegible] by an 8" cushion of decomposed granite.

Surface Mark: Set [illegible] tablet in conc. 4" above [illegible] surface and [illegible] "L.A. CO. SUR. CONTROL SYSTEM - TRIANGULATION STATION" and [illegible] J-8, R.E. 2177-1937 and set by: [illegible]

For sketch see pg. 177

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

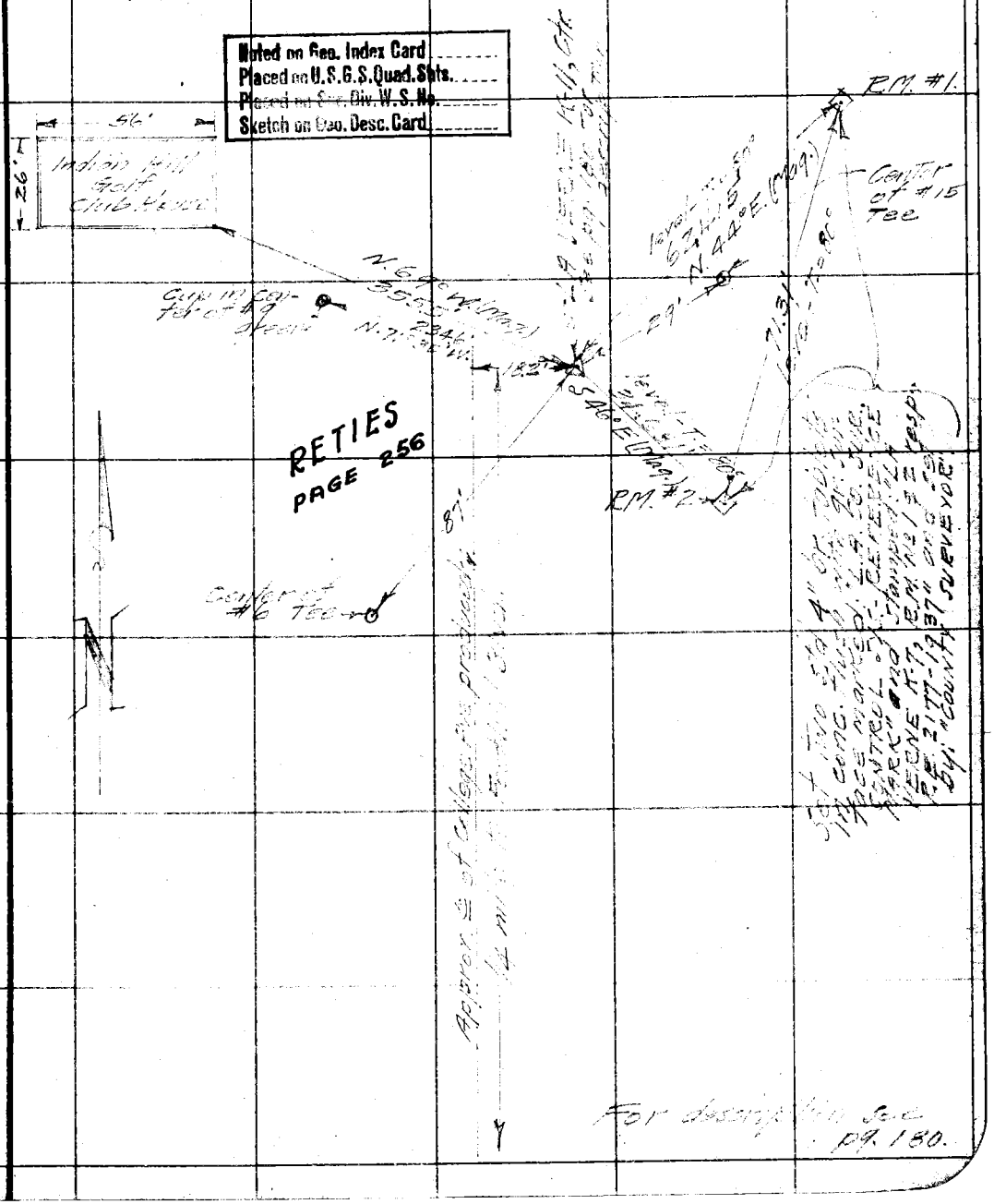
Do not extend notes this side of this line

Notes Ck'd by	Survey of [illegible]	F.B. 696 Pg. 179
Map No.	W. O. 4914 Tape No. [illegible] St'd [illegible] °F.	
Office Work	Surveyed by S.E. Butler	W.S. 49
Checked	Notes [illegible] Date 10-[illegible]	
Date	Indexed A. C. Johnson	

See Page 256 for Late Sketch

L.A. Co. Survey Control System
Triangulation Sta. - "La Verne K-11"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Sets.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



For description see pg. 180.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 180

~DESCRIPTION~

L.A. CO. SUR. CONT. TRIANGULATION STA. "LA VERNE K-11"

In L.A. Co., south-east corner of Indian Hill Golf Club grounds 1/4 mi. north of Foothill Blvd. on a production of College Ave., north side of Claremont.

N.E.W. to S.E. [illegible] of Indian Hill Club House.

[illegible] to cup [illegible] center of #9 green.

[illegible] east of approx. [illegible] of College Ave. produced.

[illegible] N.E.W. to center of #[illegible] Tee.

[illegible] to [illegible]

[illegible] to [illegible] of bank [illegible] hill.

Sub-Surface Mark:- Set [illegible] Surface [illegible] a [illegible] in a conc. [illegible] approx. [illegible] and separated from surface [illegible] earth cushion

Surface Mark:- Set a 4" brass tablet in conc. 0.1' below ground [illegible] marked: "L.A. COUNTY SURVEY CONTROL SYSTEM-TRIANGULATION STATION" and stamped: "LA VERNE K-11, F.E. 2177-1937 and set by: "COUNTY SURVEYOR".

For sketch [illegible] 177

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

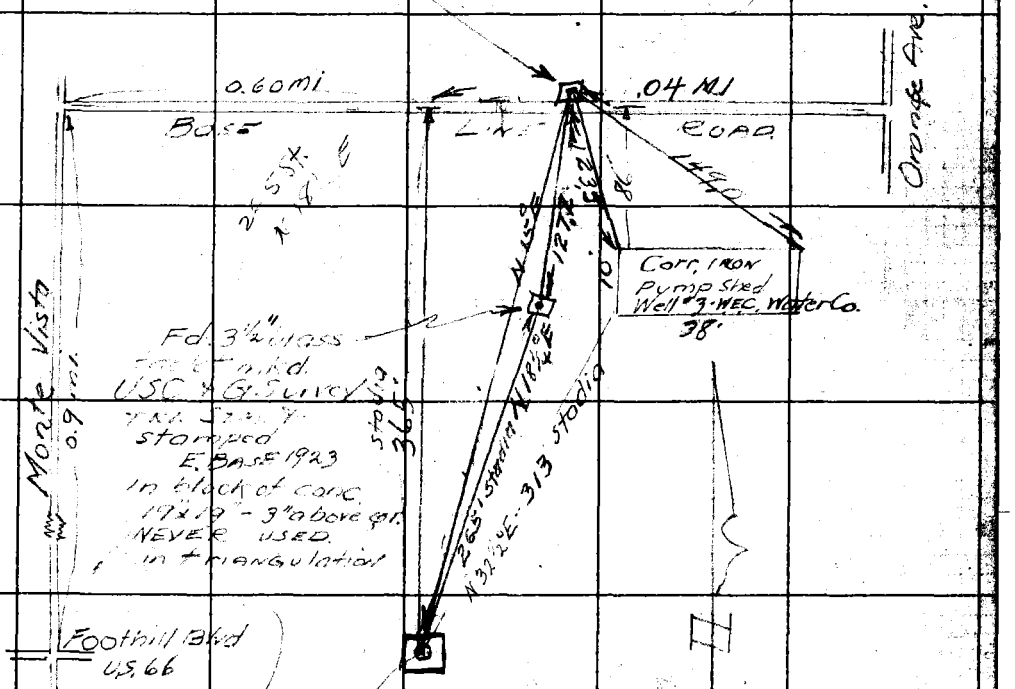
Notes Ck'd by	Survey of Romona Valley	F.B. 696 Pg. 137
Map No.	W. O. 4914 Type No. 2/6 St'd 76 of	
Office Work	Surveyed by Butler	W.S. 49
Checked	Notes " Date 8/38	
Date	Indexed	

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

USC+GS TRIANGULATION STATION EAST BASE #2

Fd 3½" brass tablet set in conc. block 18"x18"x4" high, Tablet nicked U.S.C.+G.S. Reference Mark, and stamped East Base 1, 1923

SKETCH BELOW
DESC. NEXT PG.



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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FORM 247 SM 10-37

F.B. 696 PG. 182

DESCRIPTION

USC+GS TRI. STA - E BASE #2

In San Bernardino Co; near L.A Co. LINE; about 1.6 miles N. of City of Claremont + 1.5 miles E.

about 365' S. of ℄ Base Line Rd.
about 0.60 mile E of Monte Vista Ave.
about S 32½° W - 313' from SW
Cor. of a 10'x38' corr. iron pump shed of W.E.C. Water Co.

Surface Mark: Fd. a 3½" brass tablet mkd. US Coast + Geodetic Survey TRIANGULATION STATION + stamped E. BASE #2-1923 set in conc. mon 19"x19" + 3" above gr.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

Notes Ck'd by		Survey of Pomona Valley	F.B. 696 Pg. 183
Map No.		W. O.	Tape No. St'd °F.
Office Work		Surveyed by Butler	
Checked		Notes "	Date 12/23/37
Date		Indexed 12-30-37	

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

J.N. 4914

— Mt Wilson —

Sketch

Showing

check

of

location

of

R.M. #1

@

Triangulation Sta.

"Michelson"

F.B. 696 PG. 184

W.S. 15

USC & GS.

"Michelson"

Reduced to sea level = 12.5986 M HNB

TO ANTONIO" (4" Lite)

99°44'52.5" HNB

VOID 45"

① 99-45-30

⑥ 238-35

AV. 99-45-50 52.5" HNB

Measured with transit

① 99-44-45

④ 38-59-30

AV. 99-44-52.5 HNB

80°14'04" 3.67

To Antonio 4" Lite

① 80-14-00

4 320-56-15

⑧ 281-52-30

AV. 80-14-04 03.67

RM #1

VOID 279°45'42.2" Theodolite # per F.B. G 168/45

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of
Map No.	W. O. 4914 Tape No. St'd °F.
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed 2-18-38

F.B. 696 Pg. 185

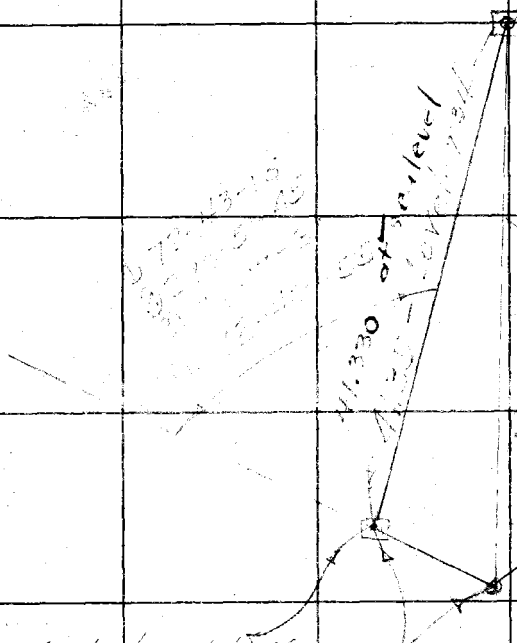
Note: Any Additions or Changes on This Sheet Must be Made in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 186



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of [illegible]	F.B. 696 Pg. 187
Map No.	W. O. [illegible] Tape No. 064 St'd [illegible] °F.	
Office Work	Surveyed by [illegible]	
Checked	Notes Date [illegible]	
Date	Indexed 4-20-38	

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 188

INDEX TO STATIONS

No.					
1	La Habra	G-6	Pg. 189	Pg. 190.
2	"	D-6	" 191-192	" 193
3	"	A-6	" 195-196	" 194
4	"	F-4	" 197-198	" 199
5	"	K-5	" 200-201	" 202.
6	"	J-7	" 203-204	" 205.
7	"	F-2	" 206	" 208.
8	"	J-3	" 209	" 210

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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FORM 247 10M 11-36

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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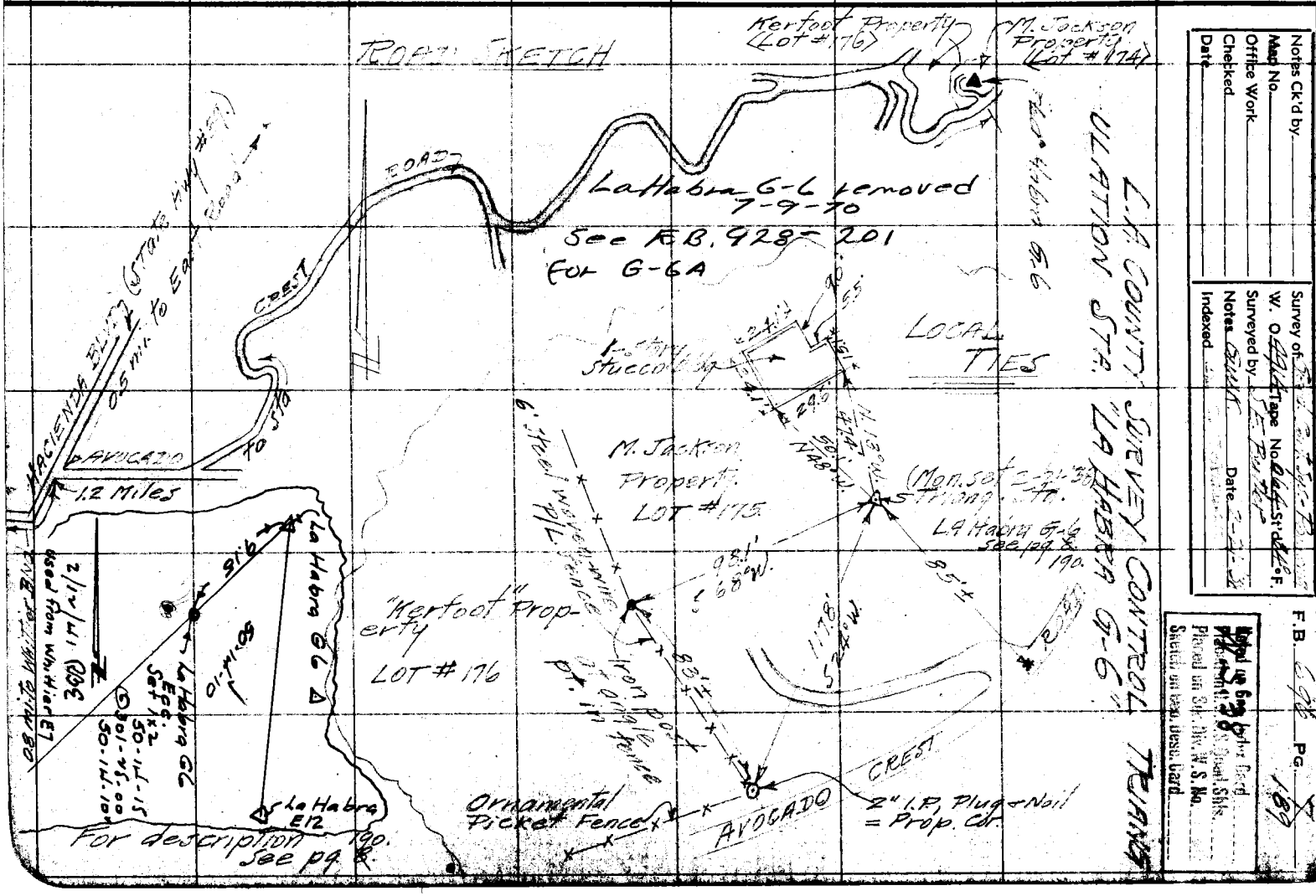

F.B. 696 PG. 8/190

~ DESCRIPTION ~

L.A. CO. SUR. CONT. TRIANG. STA. - "LA HABRA G-6"

In Puente Hills

In L.A. Co., So. central portion of La Habra Hights Tract No. of Town of La Habra and about 1.0 mi. north of Whittier Blvd. bet. Hacienda Road (Hwy #39) and Anaheim - Puente Road.

474' N. 13°W. to S.E. Cor. of 1-story [illegible]
50.1' N 48°W. to S.W. " " " " "
98.1' S 68°W to 2" I.P. at angle in 6' woven wire P/L fence.
117.8' S 24°W. to 2" I.P. plug [illegible] property corner.
84'± northerly from center of [illegible] Crest Road.

Station [illegible] reached [illegible] S.E. [illegible] Highway #39. 0.8 mi. to Avocado Crest Road, [illegible] to right over same 1.2 miles to point 300' [illegible] of large white brick and frame 2 story "Kerfect" [illegible] to left up driveway 200'± to Station * [illegible]

Sub-Surface Mark: Set [illegible] surface [illegible] plug [illegible] copper tack in a concrete [illegible] approx. [illegible] dia. X [illegible] from [illegible] monument [illegible] 8" [illegible] cushion.

Surface Mark: Set a [illegible] brass tablet in conc. [illegible] surface [illegible] "L.A. [illegible] SYSTEM - TRIANGULATION STATION" and stamped: "LA HABRA G-6. [illegible] - 1938" and set by "[illegible]"

* Sta. can also be reached from north via [illegible] over hwy. #39, Avocado Crest Road 15.0.5 mi. South of East Road leading to Hacienda Country Club.

For sketch see pg. 189.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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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.

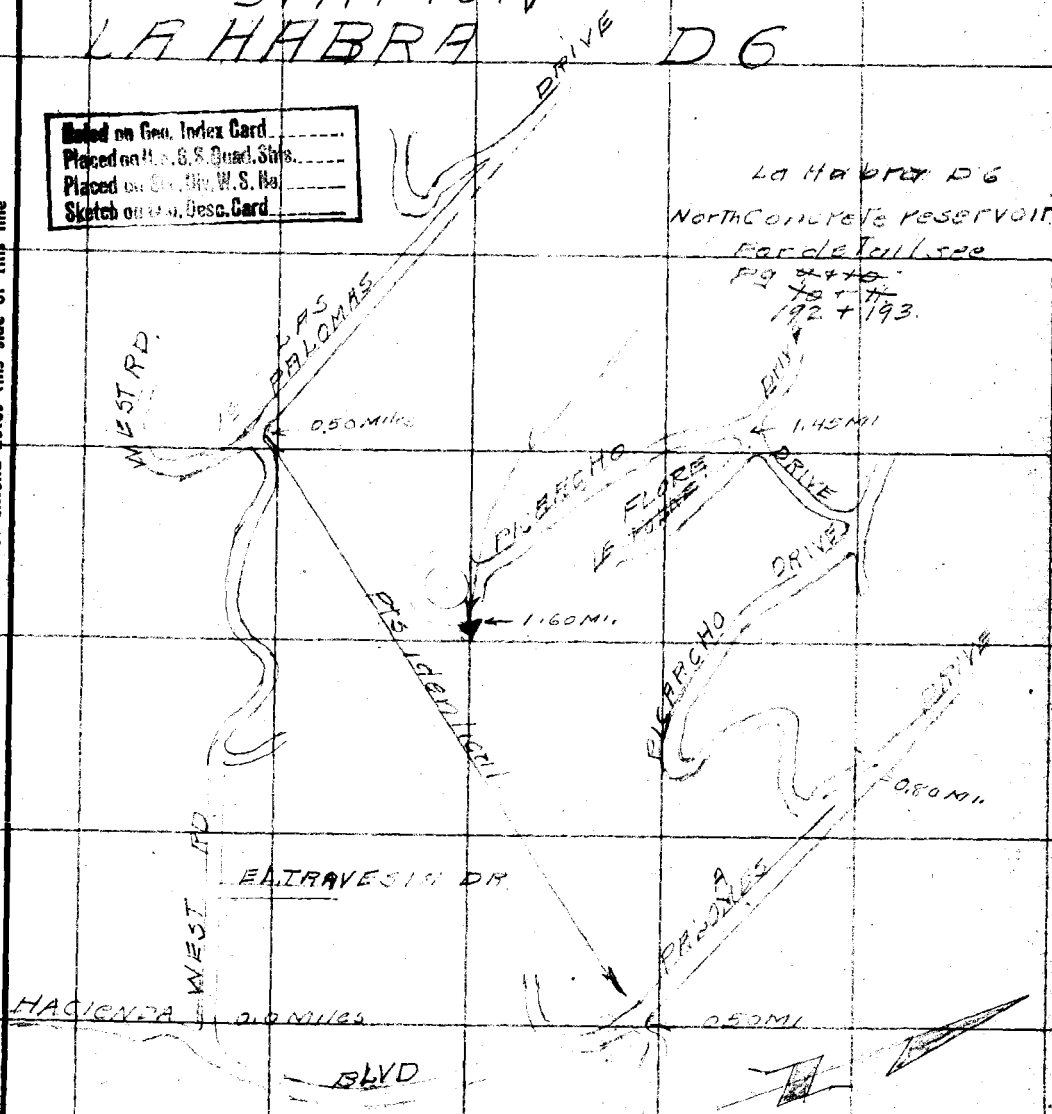
Notes Ck'd by	Survey of [illegible]
Map No.	W. O 4914 Tape No. 064 St'd 84°F.
Office Work J. H. BENDER	Surveyed by S.E. Butler
Checked H. N. B.	Notes R. L. Willey Date [illegible]
Date 8-25-'38	Indexed [illegible]

F.B. 696 PG. 191

W.S. 34

LA COUNTY SURVEY CONTROL TRIANGULATION STATION LA HABRA D6

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Geo. Div. W.S. No.
Sketch on Geo. Desc. Card



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

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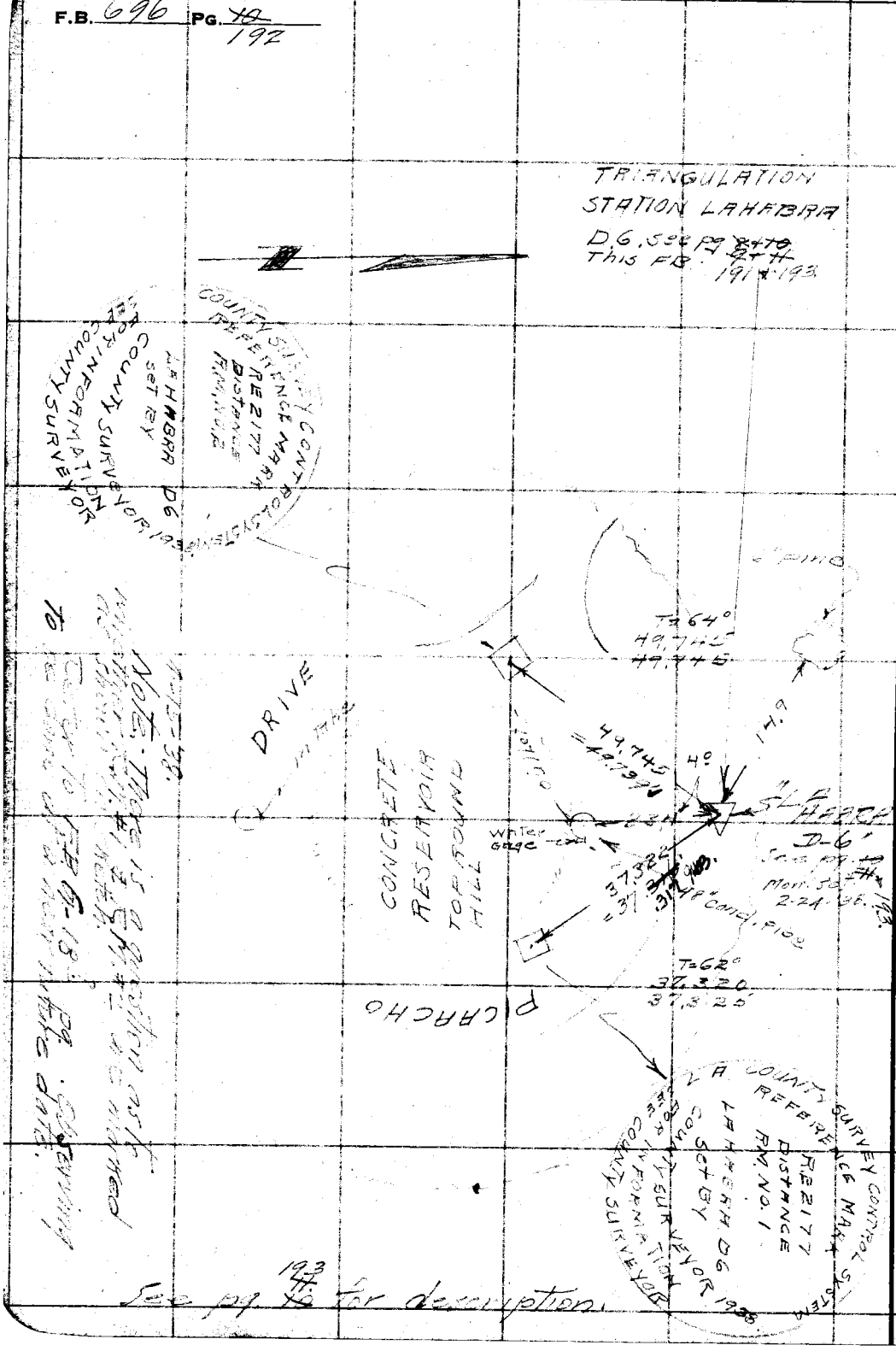
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. ~~10~~ 192



Note: There is a question as to [illegible] as shown [illegible] Reach.

To [illegible] FB 6-18 pg. [illegible] Serving [illegible] date.

See pg. ~~10~~ 193 for description.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of Pomona Valley #2
Map No.	W. O. 4914 Tape No. 64 St'd 24°F.
Office Work	Surveyed by S.E. Butler
Checked	Notes R.L. Willey Date 2-4-38
Date	Indexed [illegible]

F.B. 1-96 PG. 14 / 193

L.A. County Survey control Triangulation Station, La Habra DG.

In La Habra Heights, Los Angeles County 1.60 Miles west of the intersection of Hacienda blvd (Hwy 39), and west road.

From the intersection of Hacienda blvd and West road, go west on West road 0.5 Miles to inter. West rd. and Las Palomas Dr. Thence N.W. on Las Palomas dr. 0.3 Miles to Picaacho dr. Thence S+W. on Picaacho dr. 0.55 Miles to La Flore Dr. Thence .15 mi. to Large Concrete reservoir. See pgs 191 & 192 ~~8 & 9~~ ~~9 & 10~~ This F.B.

Sub. Surface Mark :- Set 44" below surface Tablet a lead plug & copper tack in a concrete cylinder approx. 16" in dia. x 10" deep and separated from surface monument by an 8" sand cushion.

Surface Mark :- Set a 4" Brass Tablet in concrete monument 4" above the ground surface, marked as shown.

LA COUNTY SURVEY CONTROL TRIANGULATION STATION
RE2177
LA HABRA-DG
set by
COUNTY SURVEYOR 1938
FOR INFORMATION
SEE COUNTY SURVEYOR

See pages 191 + 192 ~~9 + 10~~ ~~8 + 9~~ for Sketches.

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. ~~72~~ 194

L.A. County survey control Triangulation Station La Habra A6.

In the La Habra Heights district, county of Los Angeles, .75 miles north of the intersection of Whittier Blvd, and Santagertrudes Drive. Santagertrudes drive is called West road per. Rancho La Habra sales map, but by street signs is called Santagertrudes drive.

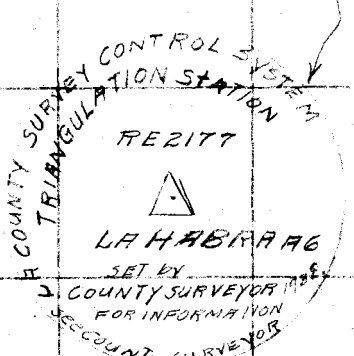
From City of Whittier follow Whittier Blvd East 4.2 Miles to intersection Whittier Blvd. and Santagertrude drive. Murphy Ranch Pumping plant #3 is on the N.W. corner of this intersection. Thence North .35 Miles on Santagertrudes drive to graded, dirt road leading into Murphy Ranch. Thence westerly on dirt road .10 Mile where road crosses swale, thence North .30 Miles to top small round hill. Elev app. 580'

See pgs ~~13+15~~ This FB ~~13+14~~ 195 + 196.

Set 44" below surface Tablet, a lead plug + copper Tack in a concrete cylinder approx 16" in dia. x 10 in deep, and separated from surface monument by 8" sand cushion, for sub. surface Mark.

Surface Mark. Set 4" Brass cap in concrete Monument 4" above ground surface.

Marked as shown



For sketches See pgs ~~12+13~~ ~~13+14~~ 195 + 196

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Notes Ck'd by	Survey of [illegible]
Map No.	W. 0.49/4 Tape No. 064 St'd 84° F.
Office Work H. BENDER	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date 8-25-'38	Indexed [illegible]

F.B. 696 Pg. 13
195

W.S. 38

41

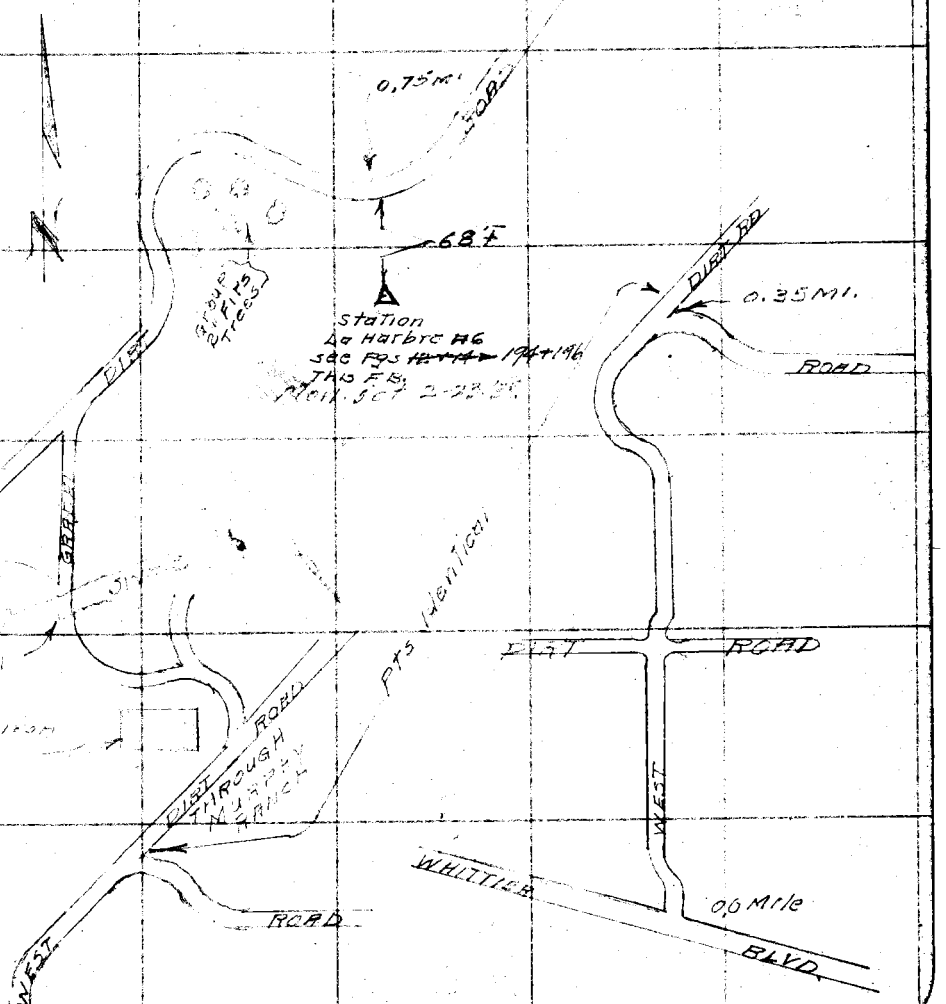
L.A. COUNTY SURVEY

CONTROL TRIANGULATION

STATION

LA HABRA A6

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Slots.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-38

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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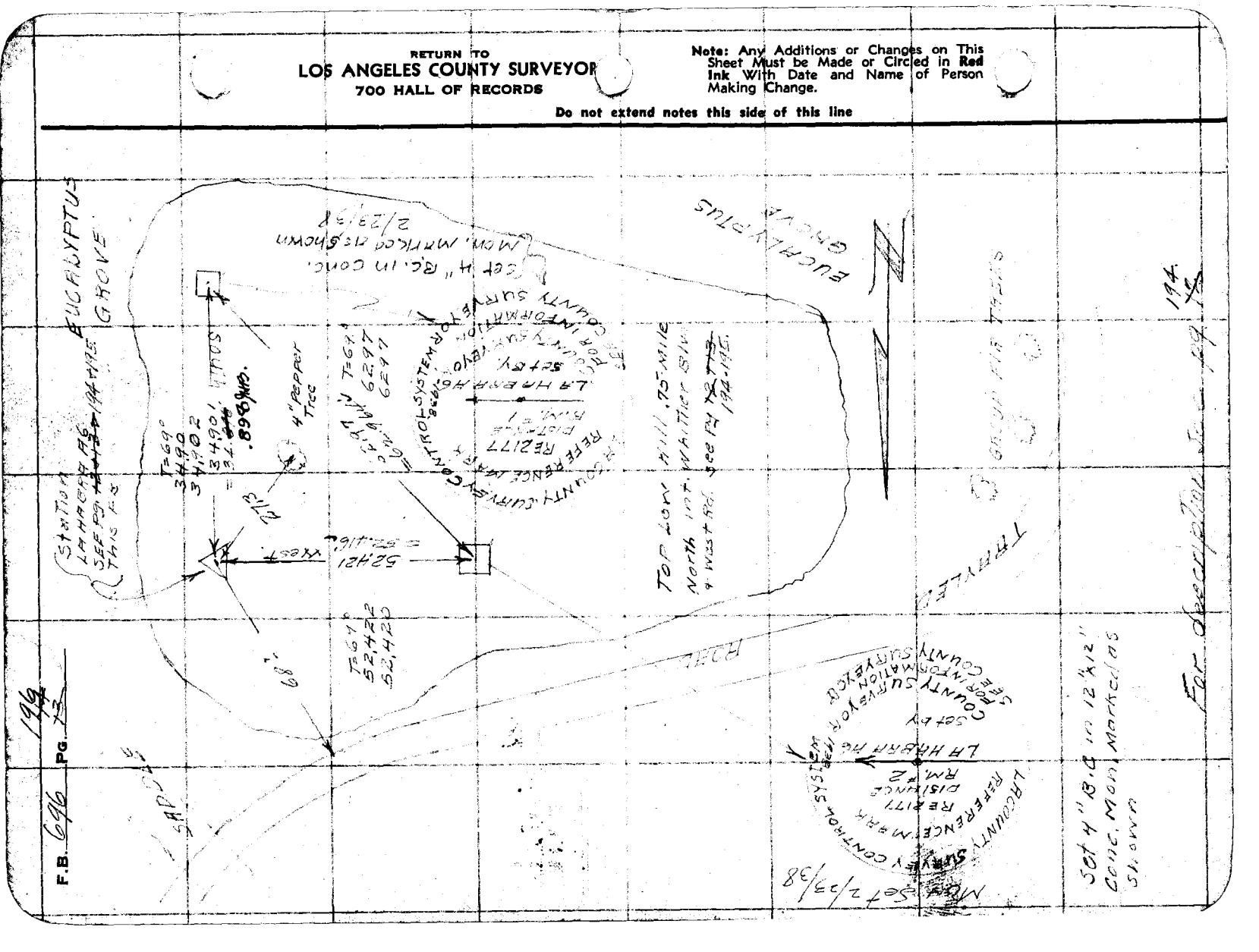


F.B. 696 PG. 13

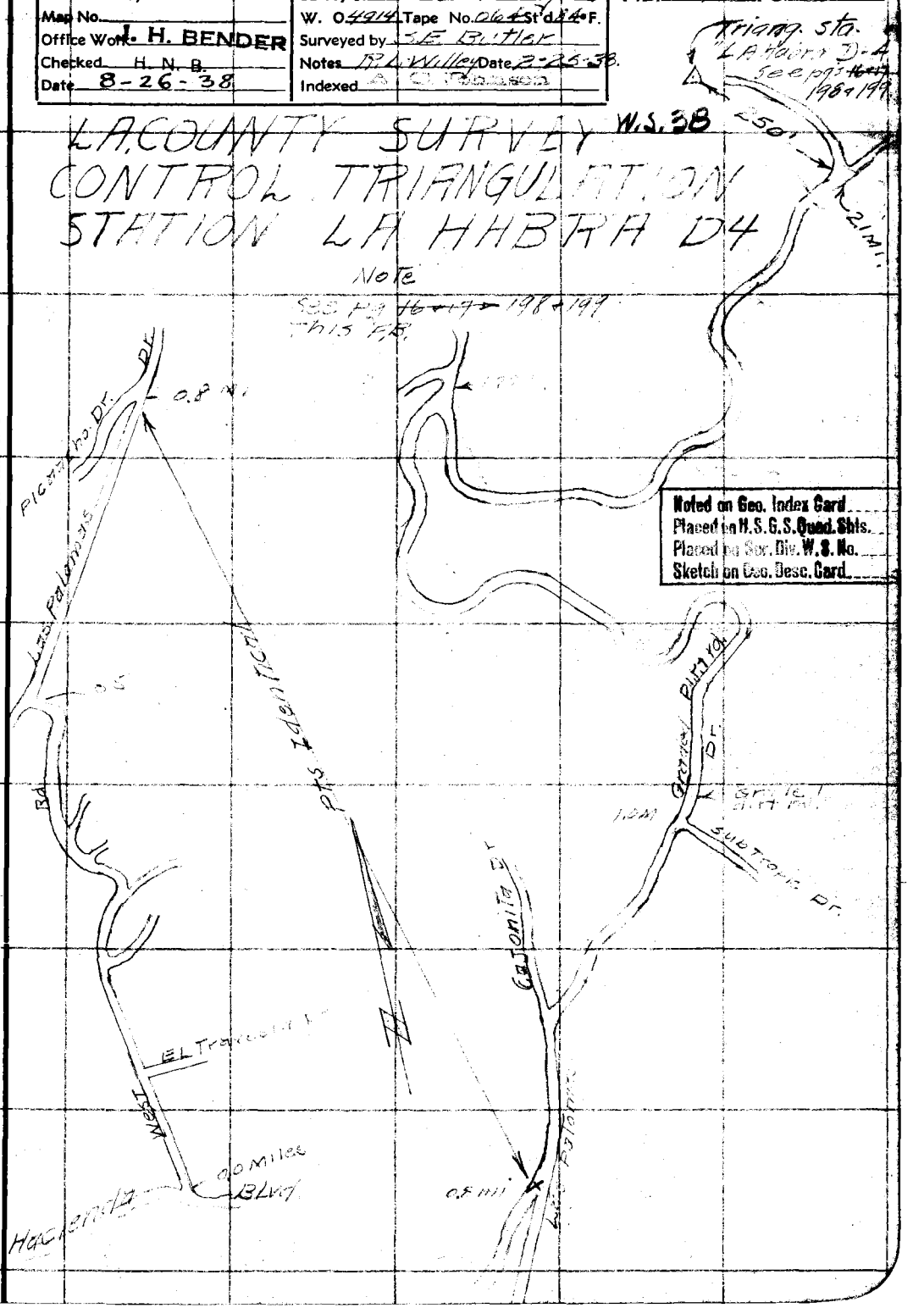
Notes Ck'd by	Survey of Pomona Valley #2
Map No.	W. O. 4914 Tape No. 064 St'd 84°F.
Office Work J. H. BENDER	Surveyed by S.E. Butler
Checked H. N. B.	Notes R.L. Willey Date 2-25-38.
Date 8-26-38	Indexed A. C. Robinson

F.B. 696 Pg. 197 ~~14~~

LA COUNTY SURVEY CONTROL TRIANGULATION STATION LA HABRA D4

W.S. 38

Note
See Pg ~~16 + 17~~ 198 + 199 This F.B.



Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

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

Do not extend notes this side of this line

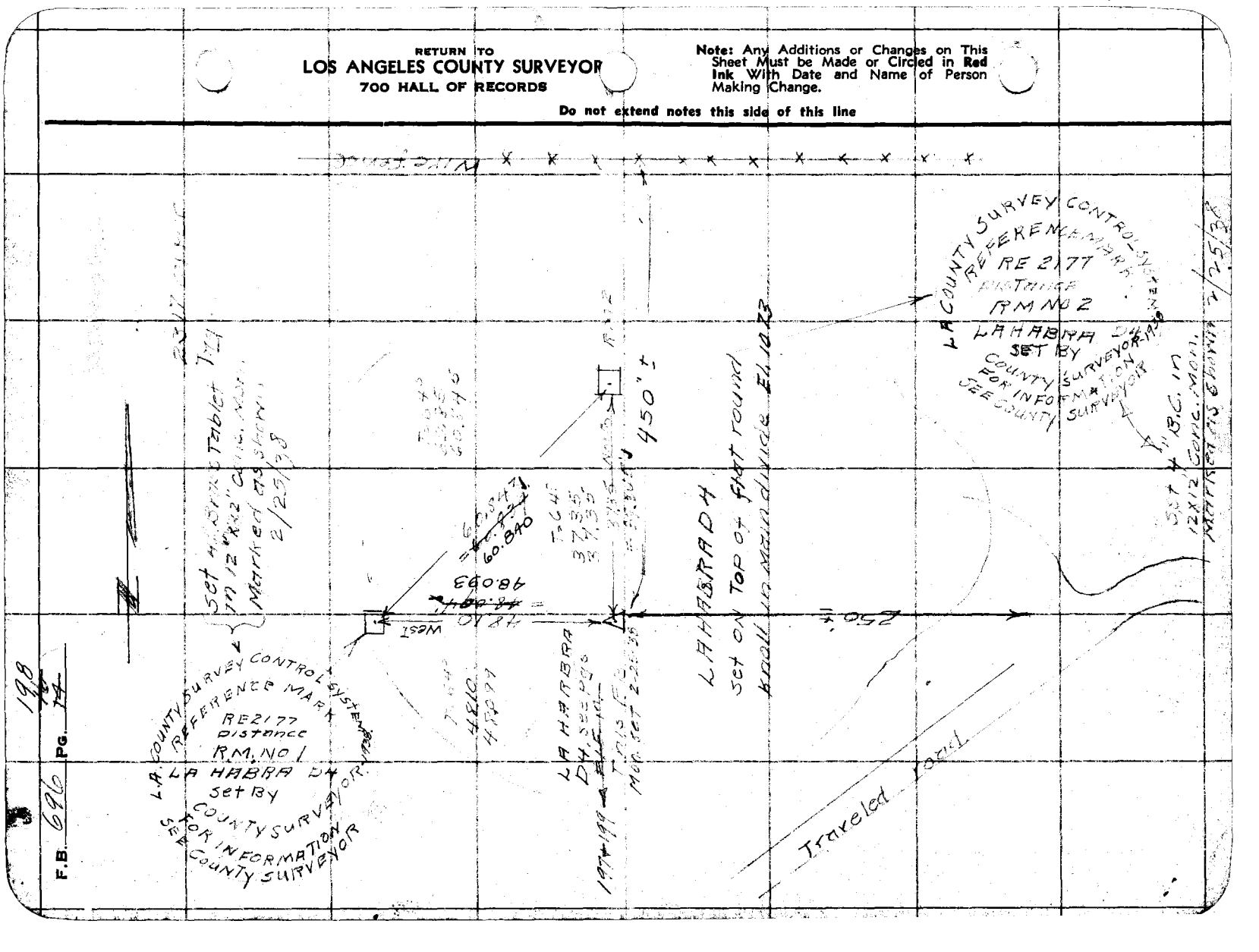
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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



Notes Ck'd by	Survey of Pomona Valley #2
Map No.	W. O. 4914 Tape No. C64 St'd 84° F.
Office Work J. H. BENDER	Surveyed by SE Butler
Checked H. N. B.	Notes R. L. Willey Date 2-25-38
Date 8-25-'38	Indexed

F.B. 692 PG. 17-197

LA County Survey Control Triangulation Station, La-Habra D4.

In the La Habra Heights [illegible], County [illegible] Los Angeles, 2.1 Miles N+W of intersection Hacienda blvd (Hwy 39) + West road.

From intersection of Hacienda blvd [illegible] 90 West on West Rd 0.5 Miles to intersection West [illegible] Las Palomas Dr. Thence North West 1.5 Miles to Sub Tropic Dr, Then Take dirt road to N.W. At 2.1 Miles the [illegible] Top of main ridge. ~~15+16~~ Thence West on ridge 250' to station [illegible] 197+198. This F.B.

Sub. Surface Mark:- Set 44" below surface Tablet Large Nail and brass Tag #2317 replacement. [illegible] 7 x 10" deep, and separated from surface [illegible] by 8' [illegible]

Surface Mark:- Set a 4" brass Tablet in conc. 4" above ground surface in conc. Mon. Marked as shown

LA COUNTY CONTROL SYSTEM TRIANGULATION STATION
RE 2177
1938
LA HABRA D4
SET BY
COUNTY SURVEYOR 1938
FOR INFORMATION
SEE COUNTY SURVEYOR

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

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RETURN TO
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700 HALL OF RECORDS

FORM 247 10M 11-38

RETURN TO
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700 HALL OF RECORDS

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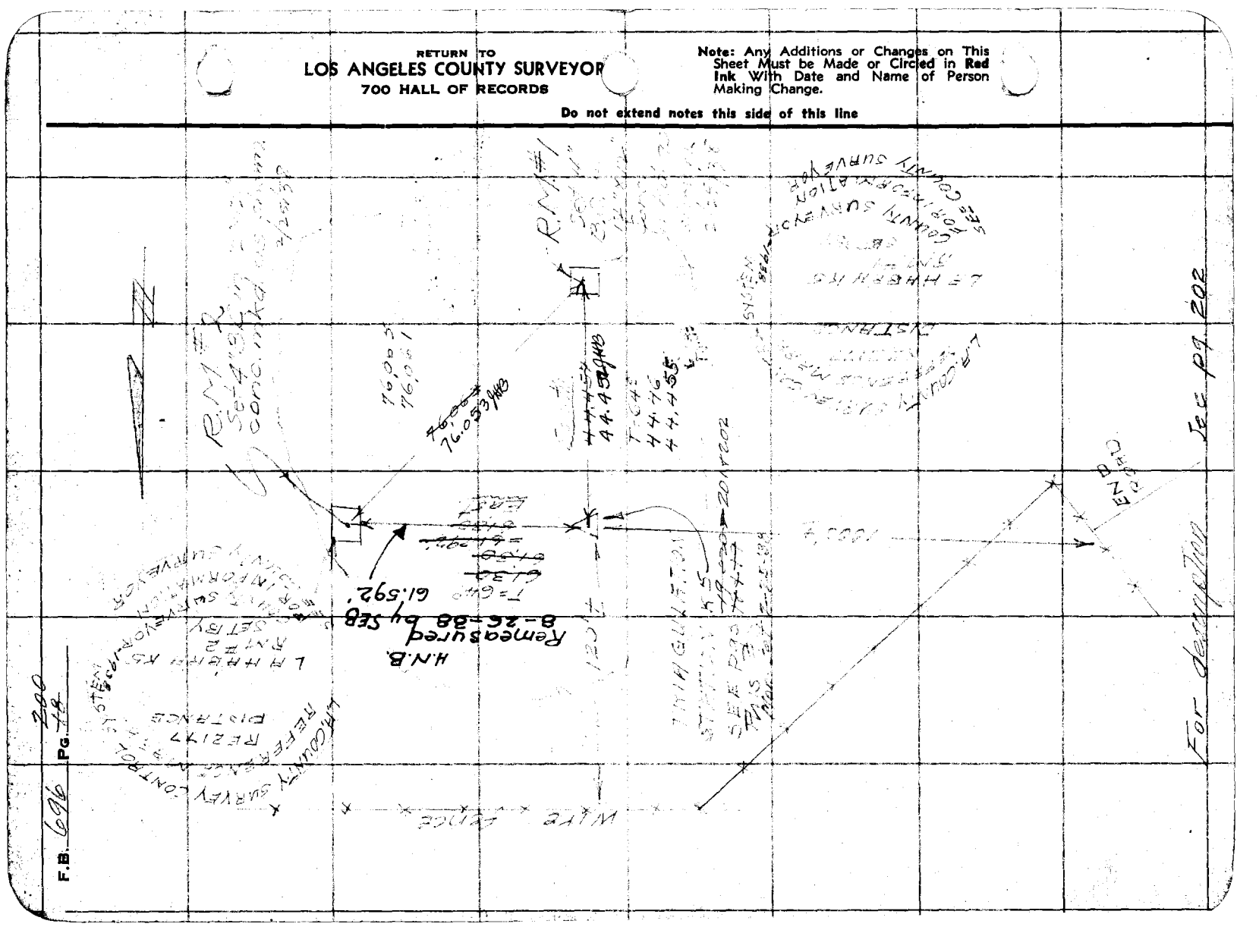


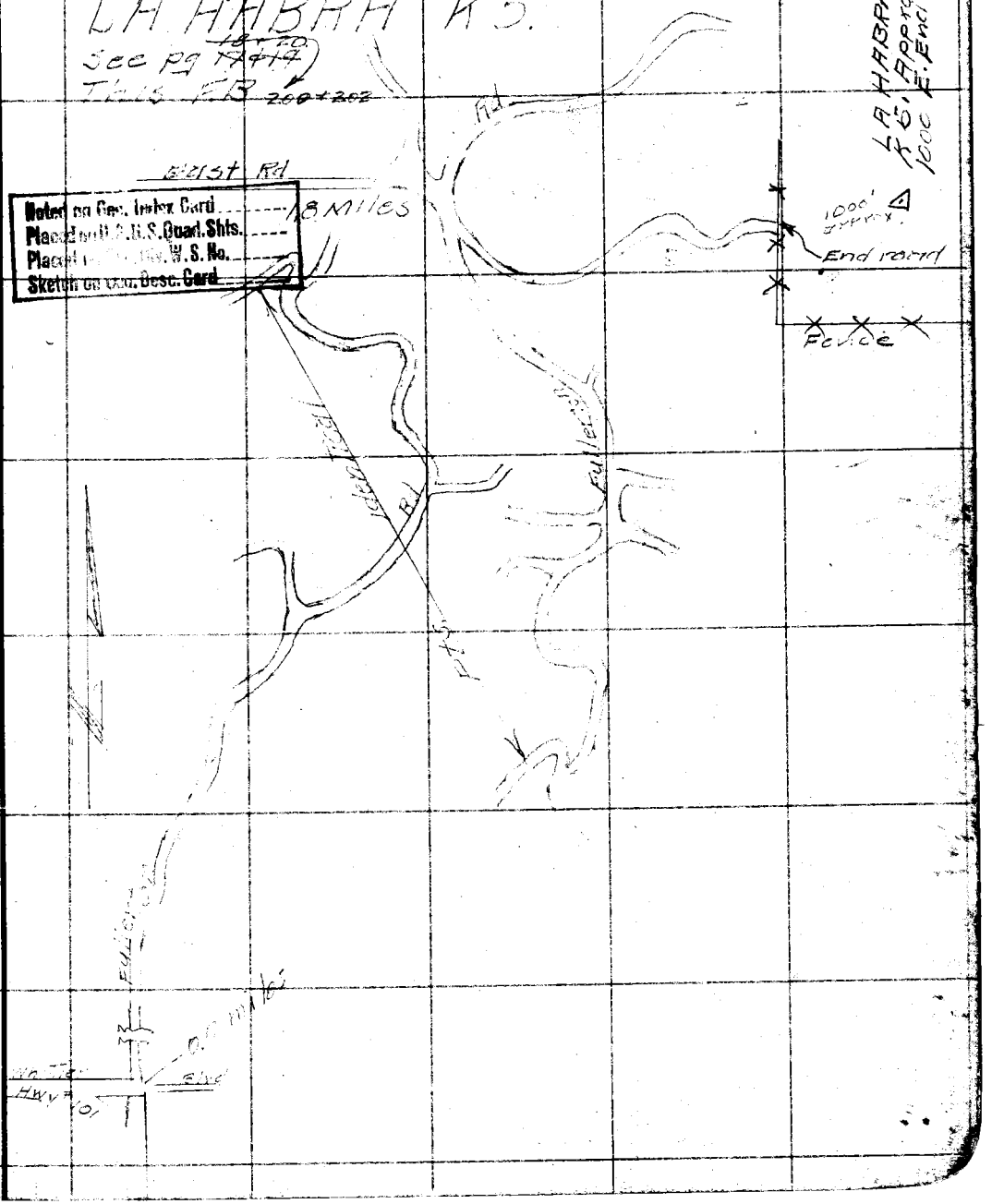
Notes Ck'd by	Survey of Fremont Valley
Map No.	W. O. 4914 Tape No. 64 St'd 84 F.
Office Work	Surveyed by C. A. Butler
Checked	Notes R. L. Willey Date 2-25-38
Date	Indexed A. C. Johnson

F.B. 696 Pg. ~~19~~ 201

W.S. 38

LA COUNTY SURVEY CONTROL
TRIANGULATION STATION
LA HABRA K5.

See pg ~~17 & 19~~ 18 & 20
This F.B. 200 & 202



Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Geo. Div. W.S. No.
Sketch on Geo. Desc. Card

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700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 202

LA County survey control triangulation station La Habra K5

In La Habra Heights district Los Angeles County, 1.8 Miles North of the the intersection of Whittier Blvd and Fullerton Rd.

From the intersection of Whittier Blvd and Fullerton Rd, go North on Fullerton Rd 1.8 Miles to intersection of Fullerton and East Rds. at summit of grade. Then east on graded dirt Rd to its end. Station is approx 1000 ft of end of Rd on top of round knoll. see pg ~~17+18~~ ~~18+19~~ 200+201

Sub surface mark :- set 4" below the surface tablet a lead plug and copper tack in a conc. cylinder [illegible]

[illegible] from surface mark

Surface mark :- [illegible] in a conc. monument 4" above the surface of the ground, marked as shown

LA COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION RE 2177

LA HABRA K5 SET BY COUNTY SURVEYOR FOR INFORMATION SEE COUNTY SURVEYOR

1938.

For sketches see pgs ~~17+18~~ ~~18+19~~ 200+201.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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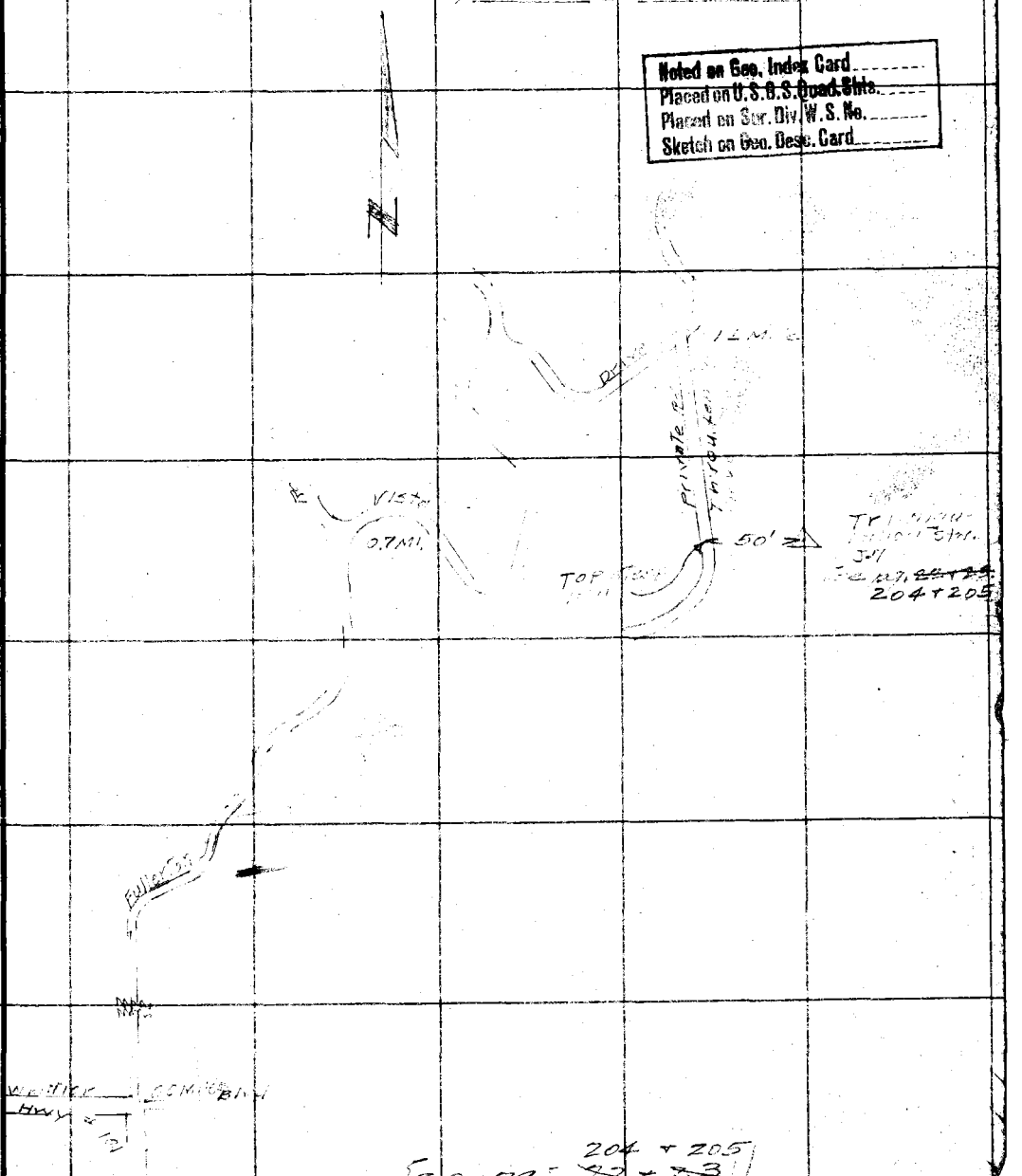
Notes Ck'd by	Survey of [illegible]	F.B. [illegible] Pg. 19
Map No.	W. O. 4914 Tape No. 64 St'd 24°F.	
Office Work J. H. BENDER	Surveyed by [illegible]	W.S. 38
Checked H. N. B.	Notes B. L. Willey Date 3-1-38	
Date 8-25-38	Indexed A. C. Johnson	

203

L.A. CO. SUR. CONT. TRIANG. STA.
"LA HABRA J-7"
Road Description

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



See pgs. 204 + 205

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. ~~20~~ ~~22~~ 204

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sec. Dis. W.S. No.
Sketch on Geo. Desc. Card

See pg. ~~22~~ 13 for description

205

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Notes Ck'd by	Survey of Pomona Valley #2
Map No.	W. O. 4914 Tape No. 64 St'd 84 °F.
Office Work	Surveyed by S.E. Butler
Checked	Notes R. L. Wiley Date 3-1-38
Date	Indexed A. C. Johnson

F.B. 696 Pg. ~~21~~ 205

LA County Survey control triangulation station
La Habra J7.
In La Habra Heights district Los Angeles County, 1.4 miles North of the inter. of Whittier blvd and Fullerton Rd.
From inter. of Whittier blvd and Fullerton go North 0.7 miles to Vista Dr. Thence east on Vista 0.4 miles, thence south on private Rd. throu Lemon Grove to top of steep hill. The station is east of the [illegible] Lemon [illegible] 20 & 21. 203 + 204.
Sub, surface mark:- Set 4" below surface Tablet, a lead [illegible] approx. [illegible] rated from surface monument [illegible] 5 [illegible] station.
Surface mark- set a 4" brass Tablet in conc. monument 10" below ground surface, marked [illegible]

LA COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION RE 2177

LA HABRA J.7
SET BY
COUNTY SURVEYOR 1938
FOR INFORMATION
SEE COUNTY SURVEYOR

See pgs ~~20 + 21~~ 203 + 204. ~~21 + 22~~ for sketches

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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F.B. 696 PG 22, 202

Notes Ck'd by	Survey of Good Cont. Sys.-Pomona
Map No.	W. O. 4914 Tape No. 066 St'd 76°F.
Office Work J. H. BENDER	Surveyed by S.E. Butler
Checked H. N. B.	Notes G. Kleineck Date 3-21-38
Date 8-26-38	Indexed A. C. Johnson

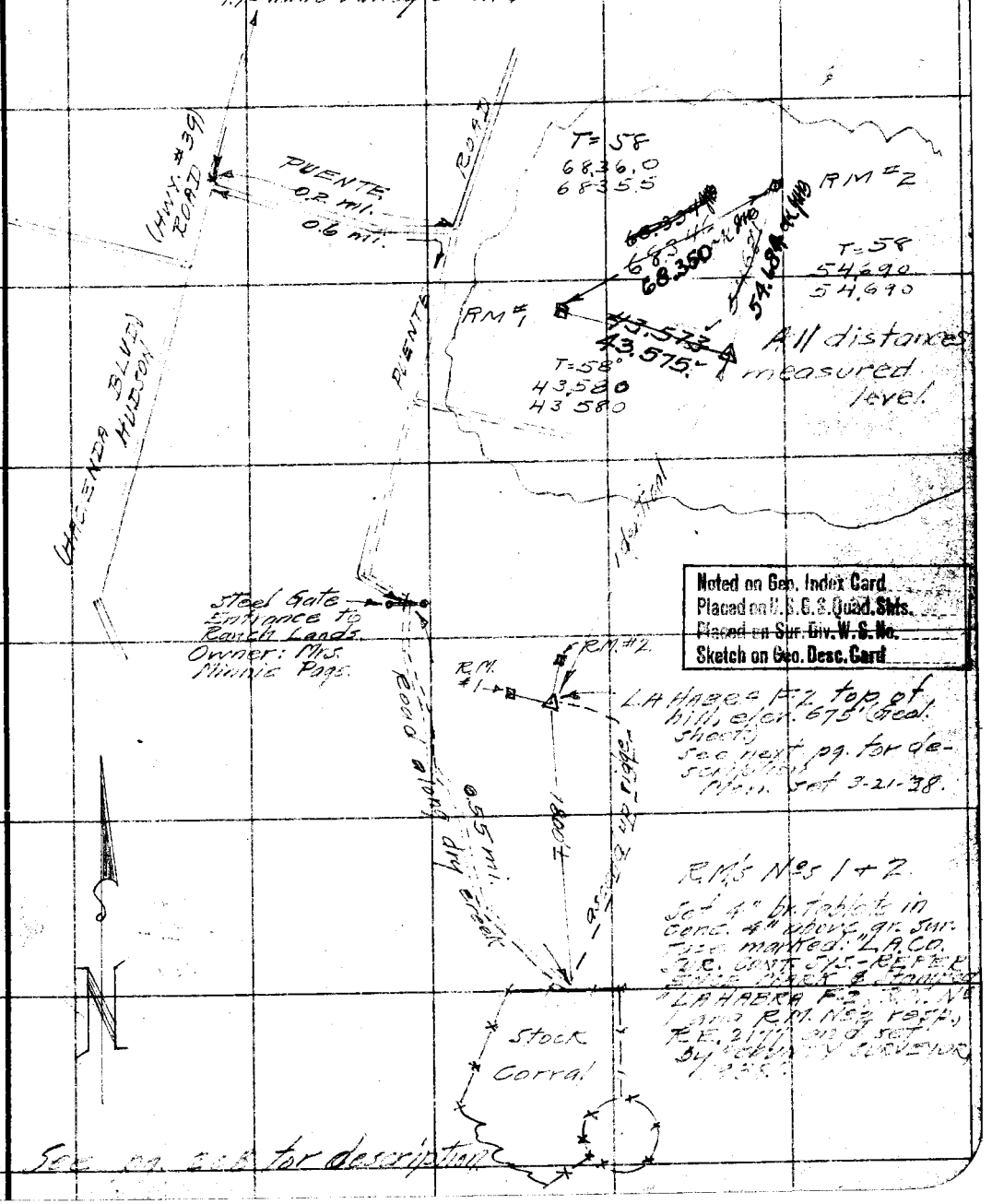
Valley #2

F.B. 696 Pg. 207

W.S. 38

LA CO. SUR. CONT. SYS.-TRIANG STA. "LA HABRA F-2"

1.75 mi. to Valley Blvd. & town of Puente.



Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

RM's Nos 1 + 2

Set 4" br. tablets in conc. 4" above gr. sur. Tube marked: "LA CO. SUR. CONT. SYS.-REFER ENCE MARK & Stamped "LA HABRA F-2" RM. No. 1 and RM. No. 2 resp., R.E. 2177 and set by COUNTY SURVEYOR 1938.

See pg. 208 for description

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 208

~ DESCRIPTION ~

L.A. CO. SUR. CONT. SYS. - TRIANG. STA.

"LA HABRA F-2"

In L.A. Co., about 2 miles south of town of Puente & 0.5 mi. east of Hudson Road (Hacienda Blvd. - Hwy #39) north edge of La Puente Hills on a knoll 675' in elev. (USGS)

To reach sta. from north go south on Hudson Road (Hwy #39) from Valley Blvd. at Puente, 1.75 miles; turn left onto Puente Road, at 0.2 mi. turn right and go south 0.4 mi. to gate, entrance to Mrs. Minnie Page's ranch lands; proceed Sleastery along a dry creek 0.55 mi. to stock corral on right; thence northerly across dry creek and up a long ridge to highest hill & station 1800' distant.

3500' S. 35° E. from junction of Puente Road with Hudson Road.

Sub-Surface Mark: Set 44" below surface tablet a lead plug and copper tack in a conc. cylinder approx. 10" in dia. x 10" deep and separated from surface monument by an 8" sand & earth cushion.

Surface Mark: Set a 4" br. tablet in conc. 4" above gr. surface marked: "L.A. CO. SUR. CONT. SYS. - TRIANG. STA." and stamped: "LA HABRA F-2, R.E. 2177 and set by "COUNTY SURVEYOR, 1938".

See pg 207 for sketch

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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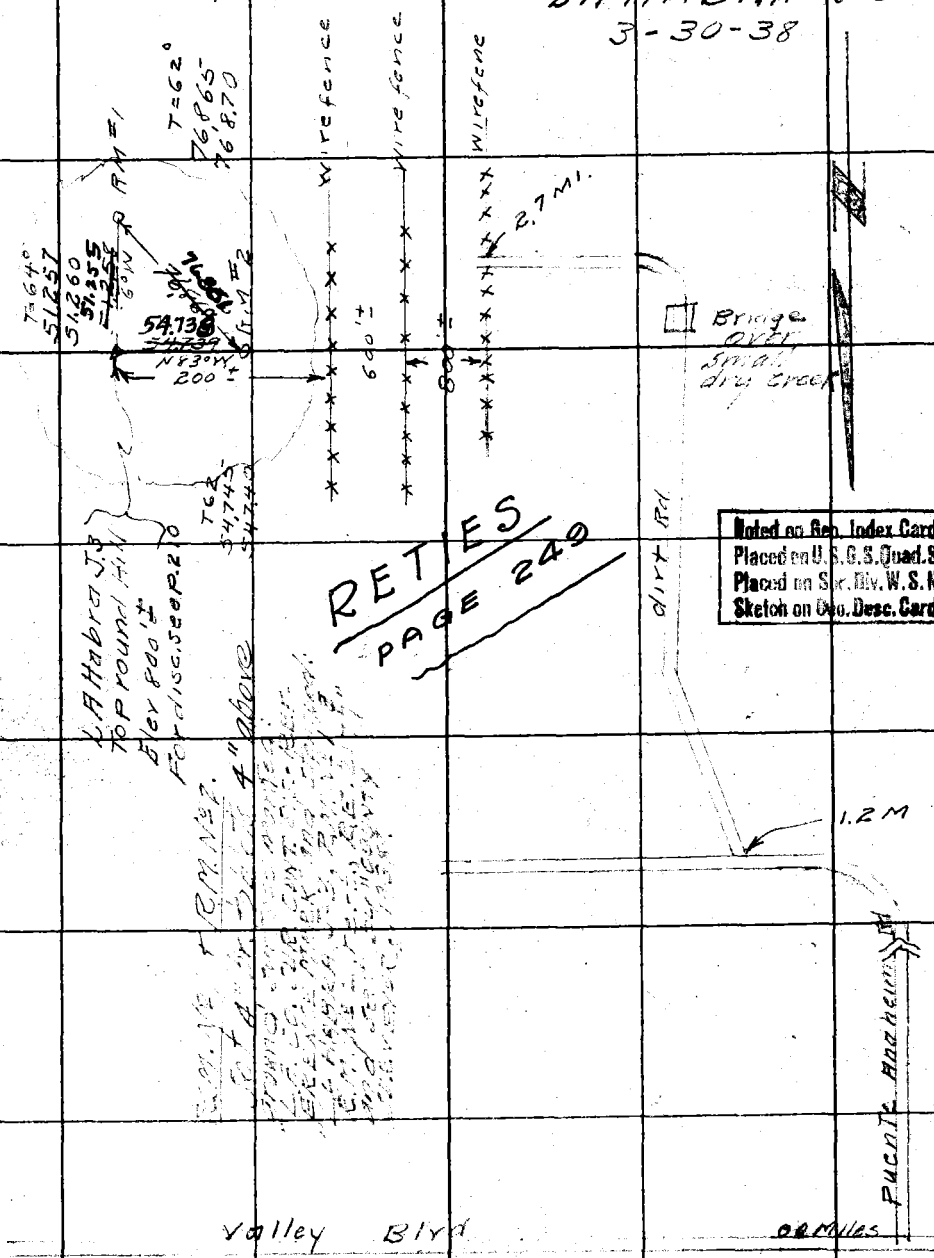
Notes Ck'd by	Survey of Pomona Valley #2	F.B. 696 Pg. 209
Map No.	W. O. 4914 Tape No. 018 St'd 76 of	
Office Work J. H. BENDER	Surveyed by S E Butler	W.S. 38
Checked H. N. B.	Notes R L Willey Date 3-30-38	
Date 8-26-'38	Indexed [illegible]	

L.A. CO. SUR. CONT. SYS. TRIANG. STA.
LA HABRA J.3
3-30-38



Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Spr. Div. W.S. No.
Sketch on Geo. Desc. Card

See pg. 210 for description

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 10-37

F.B. 696 PG. 210

DESCRIPTION

LA CO. SURVEY CONT' TRIANG STA

L.A. HABRA J 3

In L.A. Co. about 3 Mi. S.E. of Puente in the Puente Hills. Elev' about 800' on top of round knoll. Rowland school N N. 70° E, 3000' ±.

From the intersection of Valley Blvd & Puente Anaheim Rd, S. on Puente Anaheim Rd 1/4 Mi To curve. Thence E 0.2 Mi To dirt rd Bears S. Follow dirt rd To its end, Sta is east of the end of the road on top of a round Hill.

Sub. Surface Mark:
Set 44" Below the surface Tablet a lead plug and copper Tack in a conc. cylinder Approx. 16" in diameter x 10" Thick and separate from the surface mon. by an 8" sand cushion.

Surface mark:
Set a 4" br. Tablet in conc. about 6" above the ground surface Marked L.A. Co. Sur. Cont' System Triang. Sta' Stamped L.A. Habra. J 3 1938. RE 2177 and set by COUNTY SURVEYOR.

FOR SKETCH SEE PG 209

TIES ON PAGE 249

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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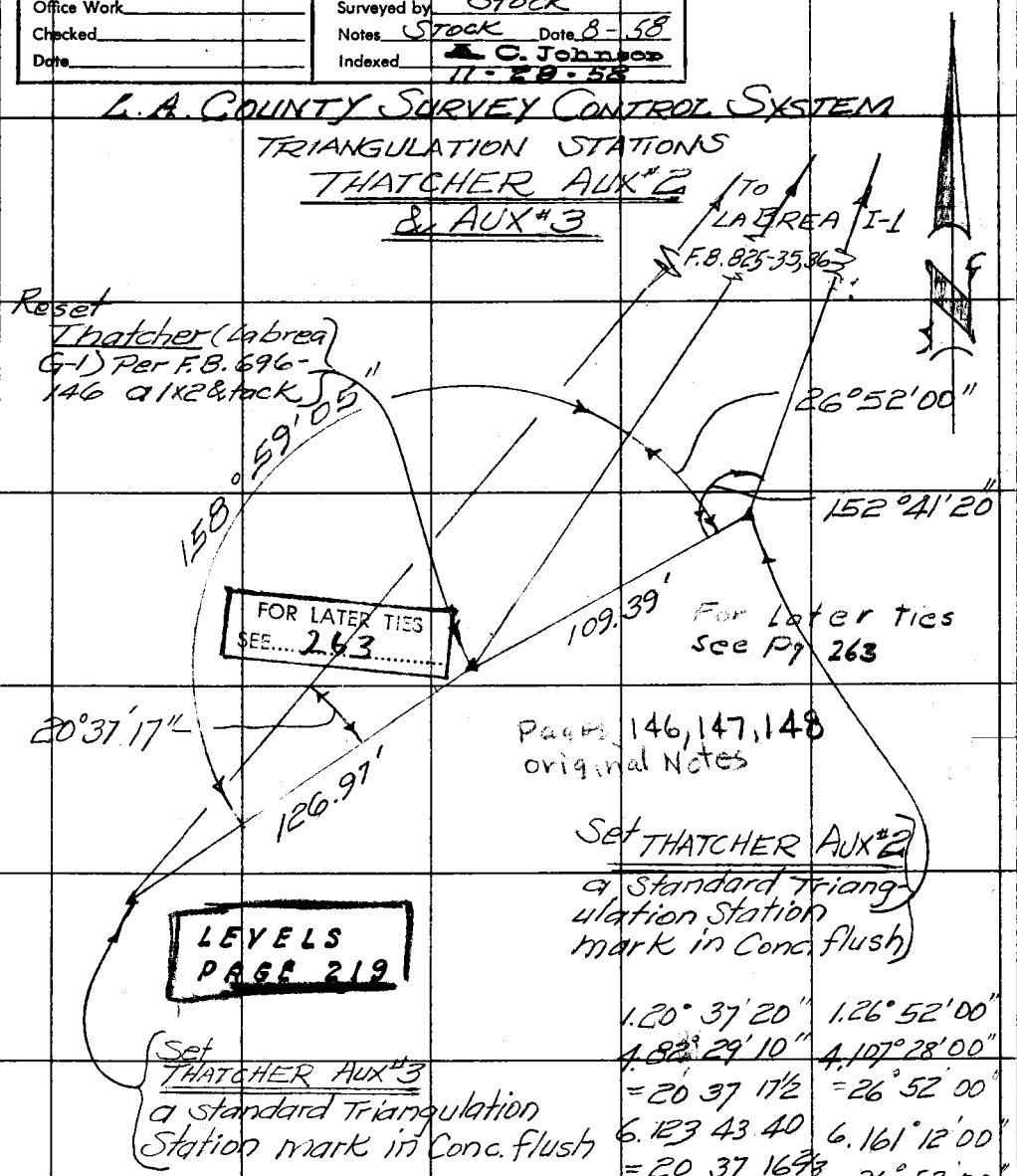
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 8301.00 Tape 142 Std. 84 °F
Office Work	Surveyed by STOCK
Checked	Notes STOCK Date 8-58
Date	Indexed C. Johnson 11-28-58

F.B. 696 Pg. 211

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATIONS THATCHER AUX #2 & AUX #3



1. 20° 37' 20" 1. 26° 52' 00"
4. 82° 29' 10" 4. 107° 28' 00"
= 20 37 17½ = 26° 52' 00"
6. 123 43 40 6. 161° 12' 00"
= 20 37 16⅔ = 26° 52' 00"

1. 158° 59' 00" 1. 152° 41' 20"
4. 275° 56' 20" 4. 250° 45' 20"
= 158° 59' 05" = 152° 41' 20"
6. 233° 54' 30" 6. 196° 08' 00"
= 158° 59' 05" = 152 41 20

Note: All distances meas. @ T = 84° no Corrections Shown or needed

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

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RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

78F309S CE #247—3-57

F.B. 696 Pg. 212

THATCHER AUX #2 & AUX #3

These triangulation stations are in the Puente hills, 1500'± west of Brea Canyon road and 2000'± South of 5th Ave on the summit of flat hill Top. Aux #2 is at east edge of flat and Aux #3 is at West edge of flat.

STATION MARK – THATCHER AUX #2 Set a Standard 4" brass Tablet Triangulation mark in Conc. flush & lettered "La Brea G-1, Thatcher Aux #2, 1958, Set by L.A. Co. ENGR. R.E. 5869."

STATION MARK – THATCHER AUX #3; Set Same as for Aux #2 only Stamped Aux #3.

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

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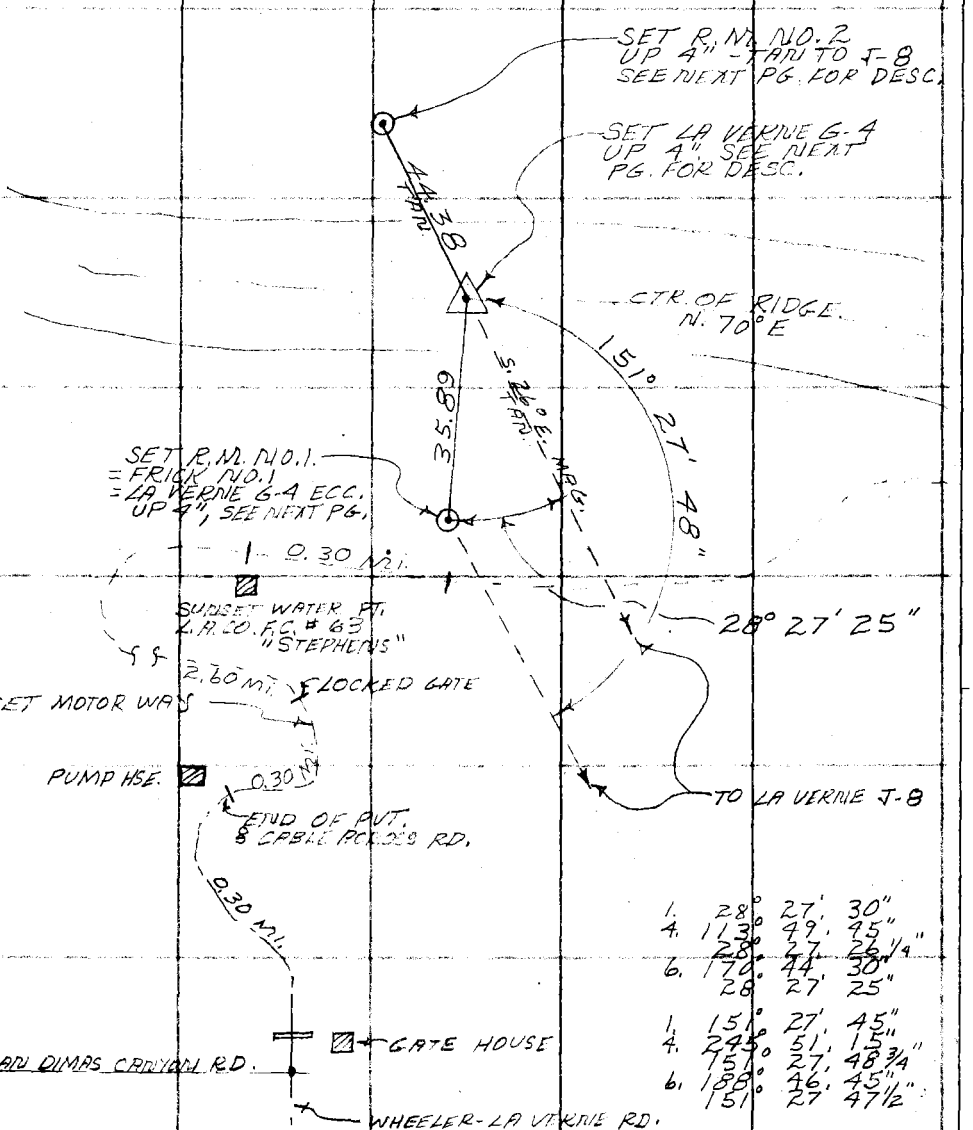
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 192 Std. 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes RICHARDS Date 8-58
Date	Indexed C. Johnson

F. B. 696 PG. 213

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LA VERNE G-4



1.	28°	27'	30"
4.	113°	49'	45"
	28°	27'	28 1/4"
6.	170°	44'	30"
	28°	27'	25"
1.	151°	27'	45"
4.	245°	51'	15"
	151°	27'	48 3/4"
6.	188°	46'	45"
	151°	27'	47 1/2"

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76F309S S&E #241 1-56

F. B. 696 PG. 214

LA VERNE 6-4

-DESCRIPTIONS-

THIS STATION IS IN L.A. COUNTY, IN THE SAN DIMAS CANYON AREA, AND ON THE SUNSET RIDGE, ELEV = ±.

TO REACH THIS STATION TAKE THE SUNSET MOTOR WAY GRADED MOUNTAIN ROAD 3.2 MILES FROM END OF PAVED ROAD. (CONC. BLOCK PUMP HOUSE AND TWO LARGE WATER STORAGE TANKS).
THE SUNSET MOTOR WAY IS THE PROLONGATION OF WHEELER-LA VERNE RD. FROM SAN DIMAS CANYON ROAD

STATION MARK: SET A STANDARD 36" PRE-CAST CONCRETE TRIANGULATION STATION MON. UP 4" WITH 4" BRASS CAP STAMPED "LA VERNE 6-4 1957, R.E. 5869."

REFERENCE MARK NO. 1: SET A STANDARD 4" BRASS CAP PRE-CAST CONCRETE MON. UP 4" STAMPED: "LA VERNE 6-4, R.M. 1, 1957, R.E. 5869."

REFERENCE MARK NO. 2: SAME AS R.M. 1 EXCEPT STAMPED "R.M. 2"

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 142 Std 84 °F
Office Work	Surveyed by STOCK
Checked	Notes STOCK Date 8-1-58
Date	Indexed A. C. Johnson

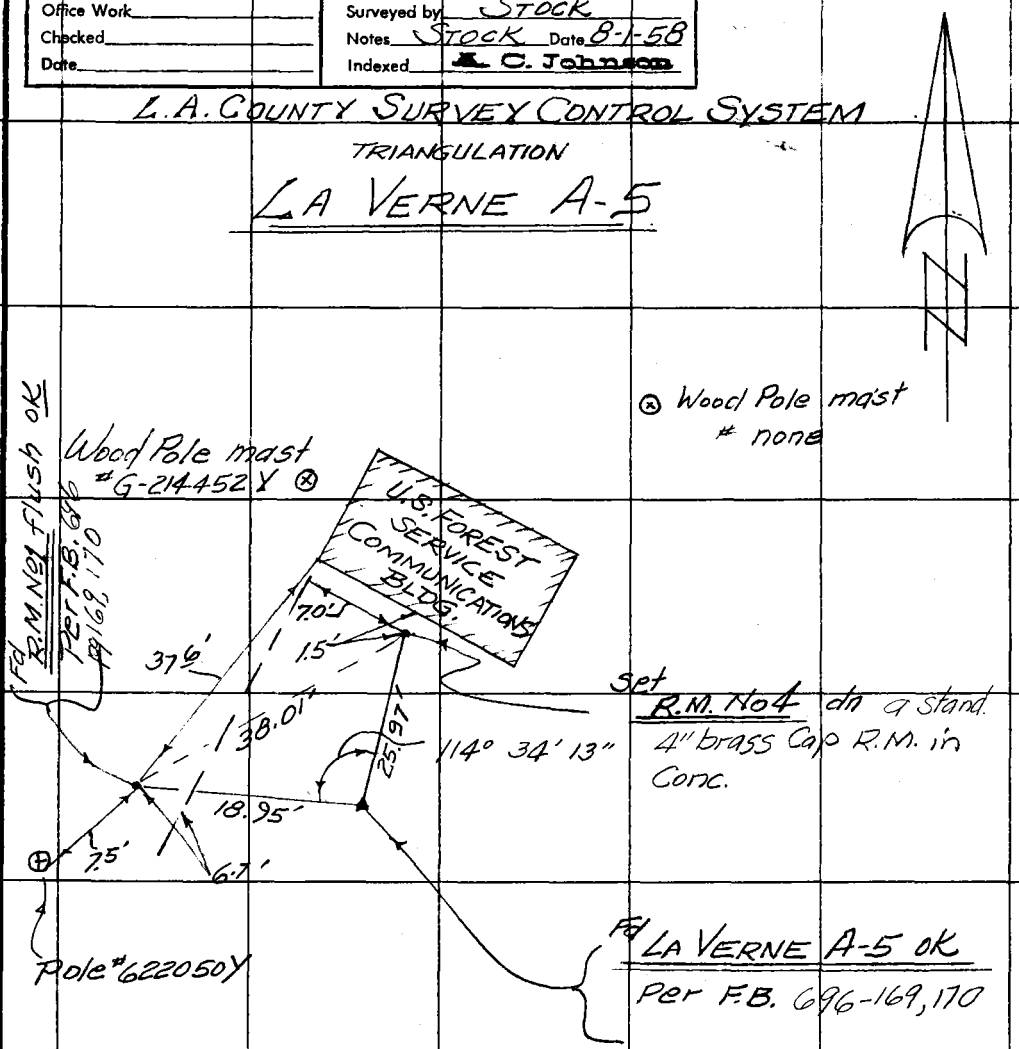
F. B. 696 PG. 215

25.67
12.34
38.01

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION

LA VERNE A-5



1. 114° 34' 20"
4. 98° 16' 40"
= 114° 34' 10"
6. 327° 25' 20"
= 114° 34' 13⅓

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

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76F309S CE #247—3-57

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

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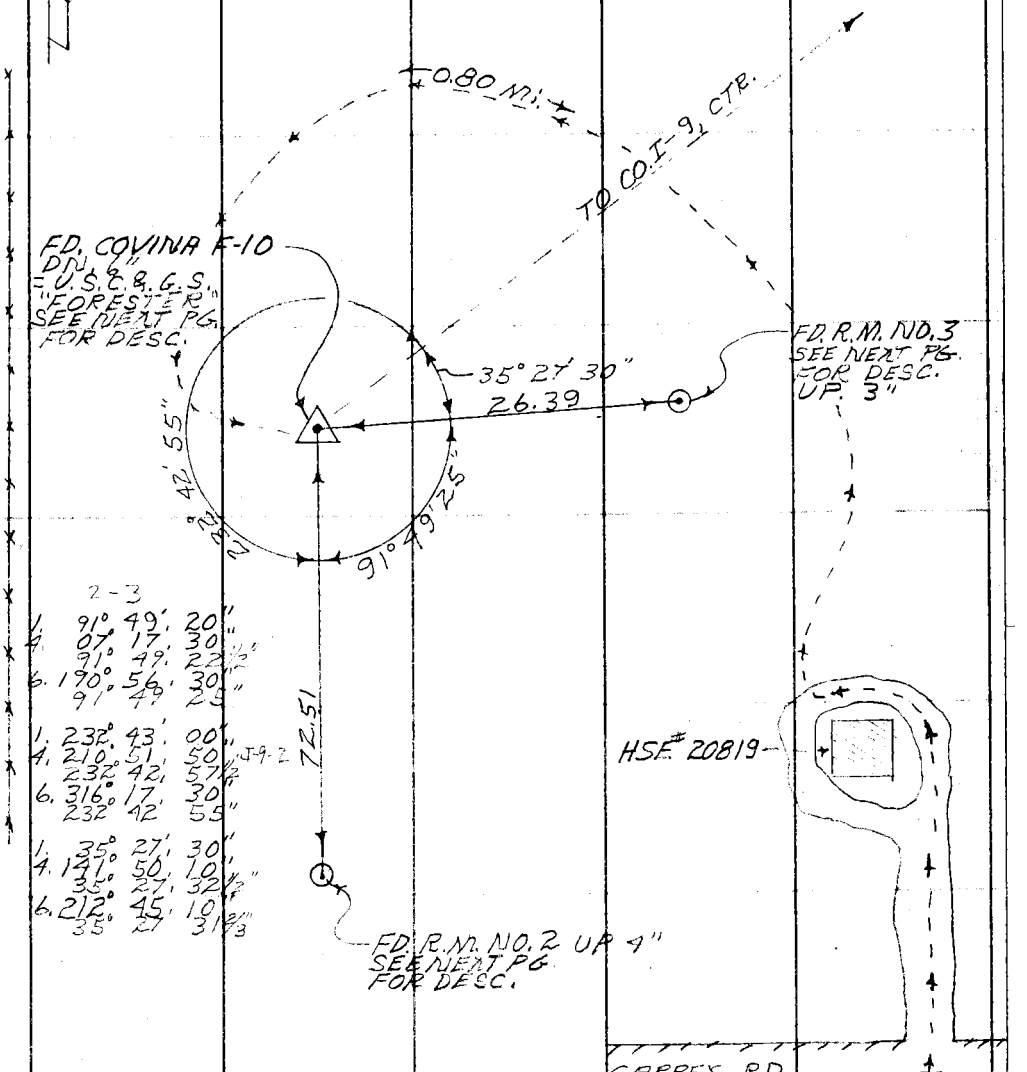
F.B. 696 PG. 216

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 142 Std 84 °F
Office Work	Surveyed by H-R. STOCK
Checked	Notes RICHARDS Date 8-58
Date	Indexed C. Johnson

F. B. 696 PG. 217

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
U.S.C. & G.S. "FORESTER"
COVINA F-10



2-3

1.	91°	49'	20"
4.	07°	17'	30"
	91°	49'	22½"
6.	190°	56'	30"
	91°	49'	25"
1.	232°	43'	00"
4.	210°	51'	50"
	232°	42'	57½"
6.	316°	17'	30"
	232°	42'	55"
1.	35°	27'	30"
4.	147°	50'	10"
	35°	27'	32½"
6.	212°	45'	10"
	35°	27'	31½"

J-9-2

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76F3095 SSE #247 1-56

F. B. 696 PG. 218

COVINA F-10
DESCRIPTIONS

THIS STATION IS IN L.A. COUNTY, IN THE WALNUT AREA, ON A PROMINENT KNOLL, 675'± ELEV., 0.80 MI. FROM THE INTERSECTION OF CAREY ROAD AND A PRIVATE DRIVE TO HOUSE # 20819.

TO REACH THIS STATION FROM THE INTERSECTION OF VALLEY BLVD. AND LEMON AVE., TAKE LEMON AVE. NORTHERLY 0.35MI. TO CAREY ROAD, RIGHT AND EASTERLY ON CAREY ROAD 0.65MI. TO HOUSE NO. 20819, THENCE 0.80 MILES TO THE STATION AS SHOWN ON THE SKETCH.

STATION MARK: FOUND A STANDARD U.S.C. & G.S. 4" BRASS DISC. DOWN 6" IN CONCRETE STAMPED "FORESTER 1938".

REFERENCE MARK NO. 1: NOT FOUND.
" " " " " 2: FOUND A STANDARD 4" U.S.C. & G.S. BRASS REFERENCE DISC. IN CONC. UP 4" STAMPED "FORESTER, R.M. 2, 1938."

REFERENCE MARK NO. 3: FOUND A 2" IRON PIPE WITH A STANDARD 4" U.S.C. & G.S. BRASS REFERENCE DISC. UP 3" STAMPED "FORESTER, R.M. 3, 1938."

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76298 S & E #307—7-5

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile Notes Red. Plotted Job No. 0301.00 Division No. 10 F. B. 696 Pg. 219
No. Date Date Survey of GEODETIC CONTROL
Sec. Notes Chkd. Checked Survey by H.R. STOCK Notes H.R. Stock Date 6-7-57
No. Date Date Map No. Indexed C. Johnson Date

L.A. BRCA G-1 "THATCHER"
Elevation Differentials – THATCHER to THATCHER Aux #1 & its new R.M.'s

STATION	B. S.	H. I.	F. S.	ELEV.		
THATCHER	1 190	101 190		Assumed 100 000	THATCHER	L.A.Co. Surv. Cont. Mon.
T.P.	2.202	91 542	11 850	89.340	T.P. 1X2	
T.P.	2 332	83 404	10 470	81.072	T.P. 1X2	
T.P.	5 325	78 639	10 090	73 314	T.P. 1X2	
Aux #1 THATCHER	3696	77 387	4 948	73691	THATCHER Aux #1 on	L.A. Co. Surv. Cont. Mon.
R.M. #1	1 184	72 001	6 570	70 817	R.M. #1 for THATCHER Aux #1	
T.P.	1 530	62 793	10 738	61 263	T.P. 1X2	
R.M. #2	7 466	63 286	6 973	55820	R.M. #2	
T.P.	11.146	72 409	2.023	61 263	T.P. 1X2	
R.M. #1	6 562	77 378	1 593	70 816	R.M. #1	
Aux #1	5.082	78 774	3 686	73 692	THATCHER Aux #1	
T.P.	9 230	82 544	5 460	73 314	T.P. 1X2	
T.P.	9 943	90 997	1 490	81 054	T.P. Rock	
T.P.	10 398	99 617	1 778	89 219	T.P. Rock	
T.P.	5311	104 575	0 353	99 264	T.P. 1X2	
			4 573	100 002	THATCHER	

F. B. 696 Pg. 220 Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date No.

Survey by C. Johnson Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.

76293 S & E #307—7-55

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

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

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76F3098 247 10M 1-49

RETURN TO
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725 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Survey of
W. O. Tape No. Std. °F.
Surveyed by
Notes Date
Indexed

F. B. 696 PG. 221

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

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F. B. _____ PG. _____

F. B. 696 Pg. 223

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

Survey of Geod. Cont. Sys.
W. O. 4900 Tape No. 0106 St'd. 68 °F
Surveyed by M. A Van Doren
Notes Van Date 9-20-51
Indexed A. C. Johnson

SEP 24 '51

JN 4900

NEW TIES ON TRIANGULATION STATION

"CLEARWATER C-9"
(Prior to it's desrtuction)
NORTH LONG BEACH AREA

See FB 696-227-230

9-20-51
Van Doren
Blankenship
Richards
Molinari
Thompson

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

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RETURN TO
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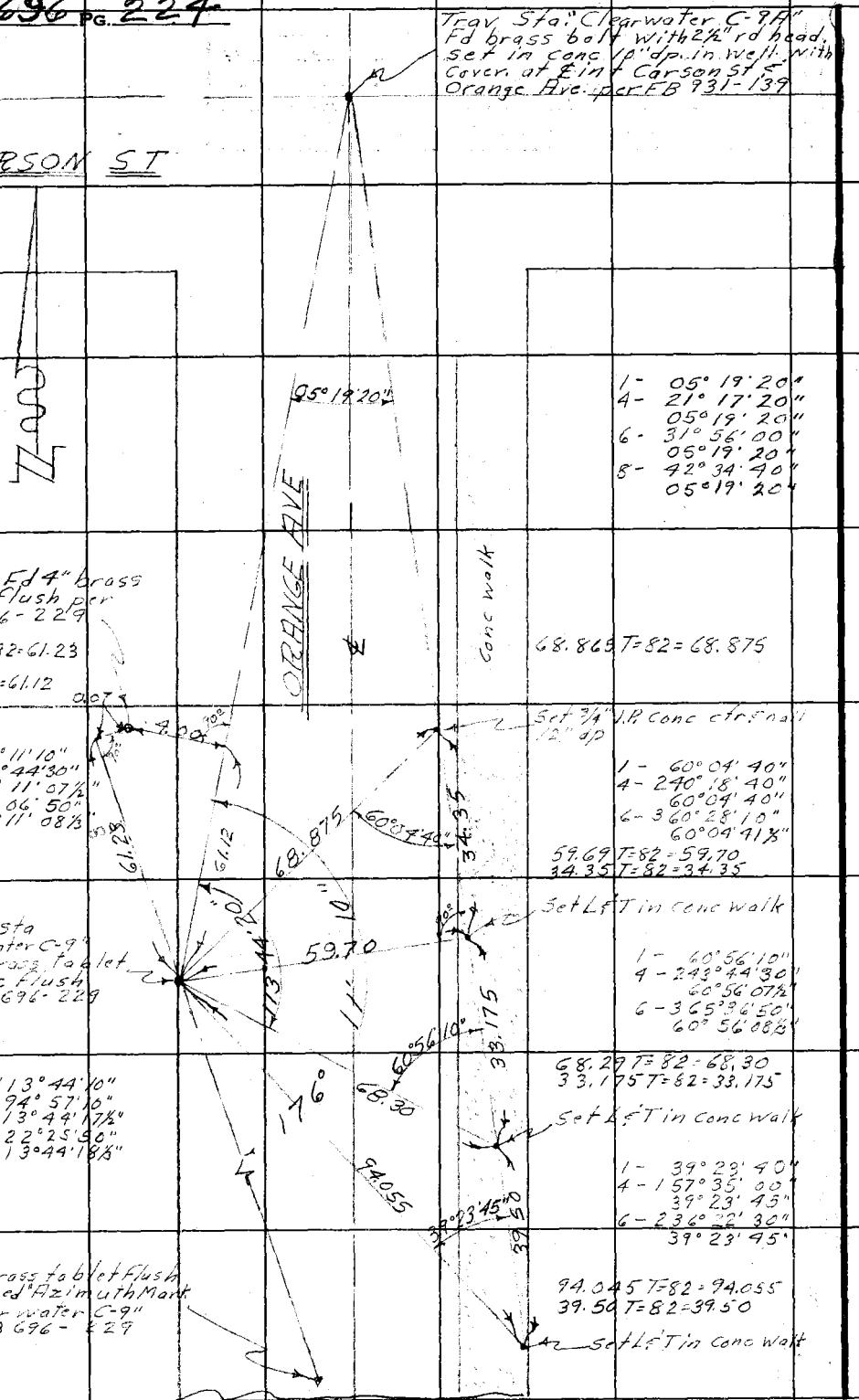
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 247 2-51

F. B. 696 PG. 224

℄ CARSON ST



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

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

Notes Ck'd by	Survey of N. Long Beach
Map No.	W. O. 4911 Tape No. 064 St'd 84°F.
Office Work	Surveyed by Butler
Checked	Notes Maine-K Date 3/38
Date	Indexed 3-21-38

F.B. 696 PG. 225

J.N. 4911

No Long Beach

Survey Control

System

Description

of

Stations

&

Record

of

Monumenting

Butler

[illegible]

Moore

Cunningham

Notes

Index next pg.

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-38

F.B. 696 PG. 226

INDEX TO STATIONS SURVEYED

NO.	NAME			
1	Clearwater	C-8.	Pg. 227	Pg. 228.
2	"	C-9.	" 229	" 230
3	"	E-9	" 231	" 232
4	"	B-7	" 233	" 234
5	"	D-7	" 235	" 236.
6	"	F-9	" 237	" 238.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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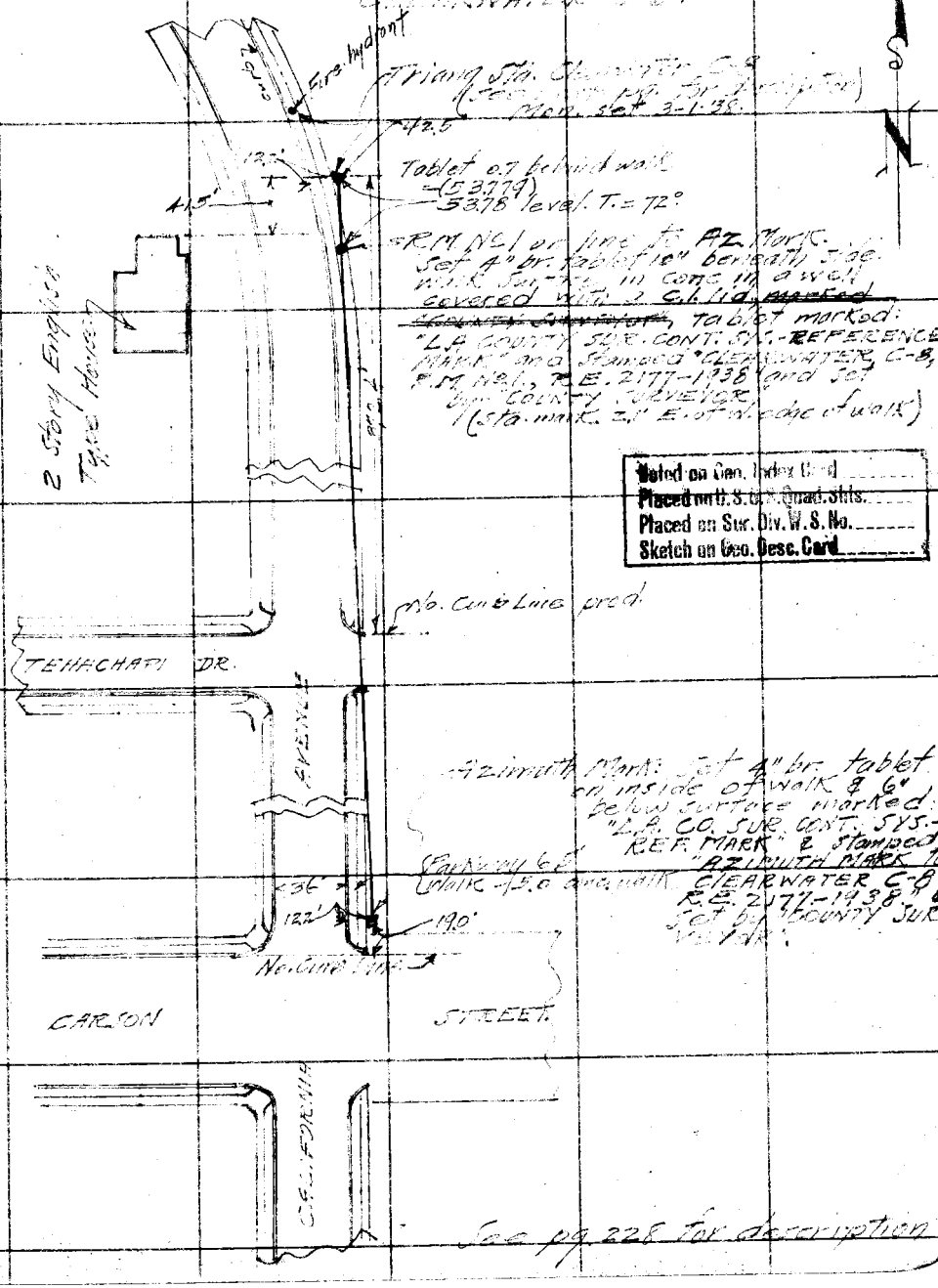
Notes Ck'd by	Survey of Geod. C. Sys. No. Long. B. Mtn.
Map No.	W. O. 4911 Tape No. 0-5 St'd 76 °F.
Office Work	Surveyed by [illegible]
Checked	Notes G. Kleinrock Date [illegible]
Date	Indexed [illegible]

F.B. 696 PG. 227

W.S. 30

L.A. CO. SUR. CONT. TRIANG. STA.-
"CLEARWATER C-8"



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Placed on U.S. & S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

See pg. 228 for description

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 228

~DESCRIPTION~

L.A. CO. SUR. CONT. TRIANG. STA. - "CLEARWATER C-8"

In L.A. Co., north Long Beach, on California Ave., vicinity of Carson St. and Atlantic Blvd. About 1500' north of Carson and 1/2 mi. east of Atlantic.

372.4' north of north curb line of Tehachapi Drive.

53.8' north of R.M. Tablet in wall beneath and near center of conc. walk.

0.7 E. of E. edge of walk.

12.2' E. of E. curb line of [illegible] Ave.

44.5' [illegible] from center of [illegible]

41.5' [illegible] of a line [illegible] [illegible] Engl. type [illegible] on W. side of [illegible]

Sub-Surface Mark: [illegible] below surface [illegible] in a conc. cylinder [illegible] 10" [illegible] [illegible] monument [illegible]

Surface Mark: [illegible] 4" [illegible] in conc. [illegible] surface of [illegible] walk marked: L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION [illegible] "CLEARWATER C-8 - R.E. 2[illegible]" [illegible] [illegible]

See pg. 229 for sketch

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

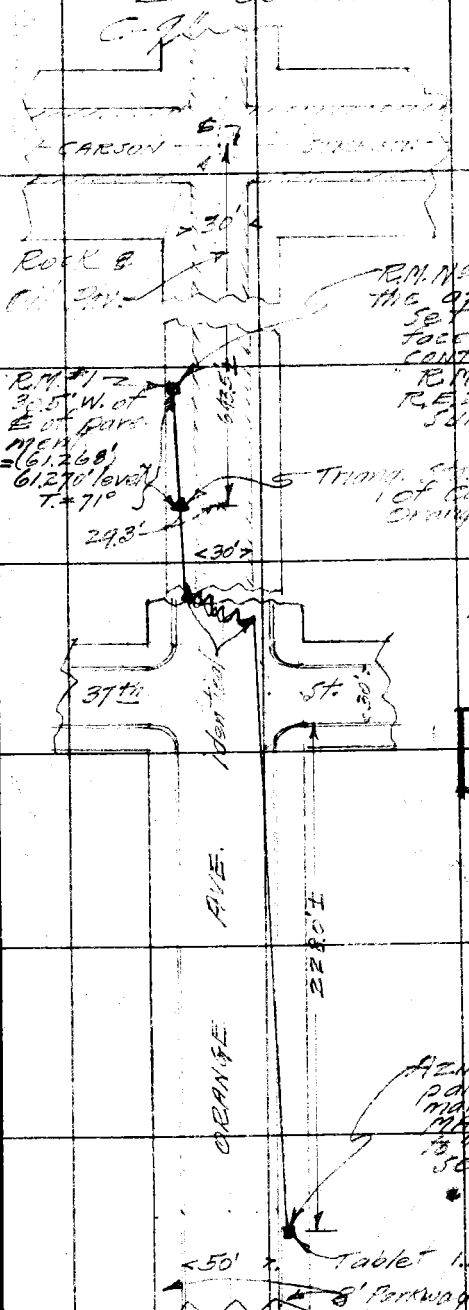
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of Geod. Cont. Sys.-No. Long. Beach	F.B. [illegible] Pg. 229
Map No.	W. O. 4911 Tape No. 025 St'd 76°F.	W.S. 30
Office Work	Surveyed by [illegible]	
Checked	Notes G. Kleiner Date 3-7-38	
Date	Indexed [illegible]	

L.A. Co. Sur. Cont. Triang. Sta. "Clearwater C-9"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card



R.M. No. 1 on the prod. of a line from the azimuth mark thru center sta. Set 4" br. tablet 0.2' below gr. surface, in conc. marked: "L.A. Co. Sur. Cont. Sys.-Ref. Mark" & stamped: R.M. No. 1 — Clearwater C-9, R.E. 2177 and set by "County Surveyor 1938".

Triang. Sta. "Clearwater C-9" 643.5'± So. of ℄ of Carson St. & 29.3' W. of ℄ of pav. on Orange Ave. (See next pg. for description)

Mon. Set 3-4-38.

Note: A 4' observing stand was erected over this sta.

Destroyed 9/21-51
See pg 224 for ties

Azimuth Mark: Set 4" br. tablet in parkway flush with top of curb marked "L.A. Co. Sur. Cont. Sys.-Ref. Mark" & stamped "Azimuth Mark to "Clearwater C-9, R.E. 2177 and set by "County Surveyor, 1938."

Tablet 1.2' E. of curb line.

8' Parkways + 5' walks

See pg. 230 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-38

F.B. 696 PG. 230

~DESCRIPTION~

L.A. Co. Sur. Cont. Triang. Sta. - Clearwater C-9"

In L.A. Co. ~~North Long Beach~~ north Long Beach Area Pl. Orange Ave. between Carson St. and Bixby Road.

643.5' ± So. of ℄ of Carson St.

29.3' W. of ℄ of pavement on Orange Ave.

Sub-Surface Mark: Set 4" [illegible] surface tablet [illegible] in a conc. cylinder approx. [illegible] from surface [illegible] by an 8" sand and [illegible]

Surface Mark: [illegible] brass tablet in [illegible] L.A. Co. [illegible] "GULATION STATION" and [illegible] Clearwater [illegible] and [illegible] County Surveyor 1935"

Note: A 4' observing stand was erected over this mon.

See pg. [illegible] for sketch

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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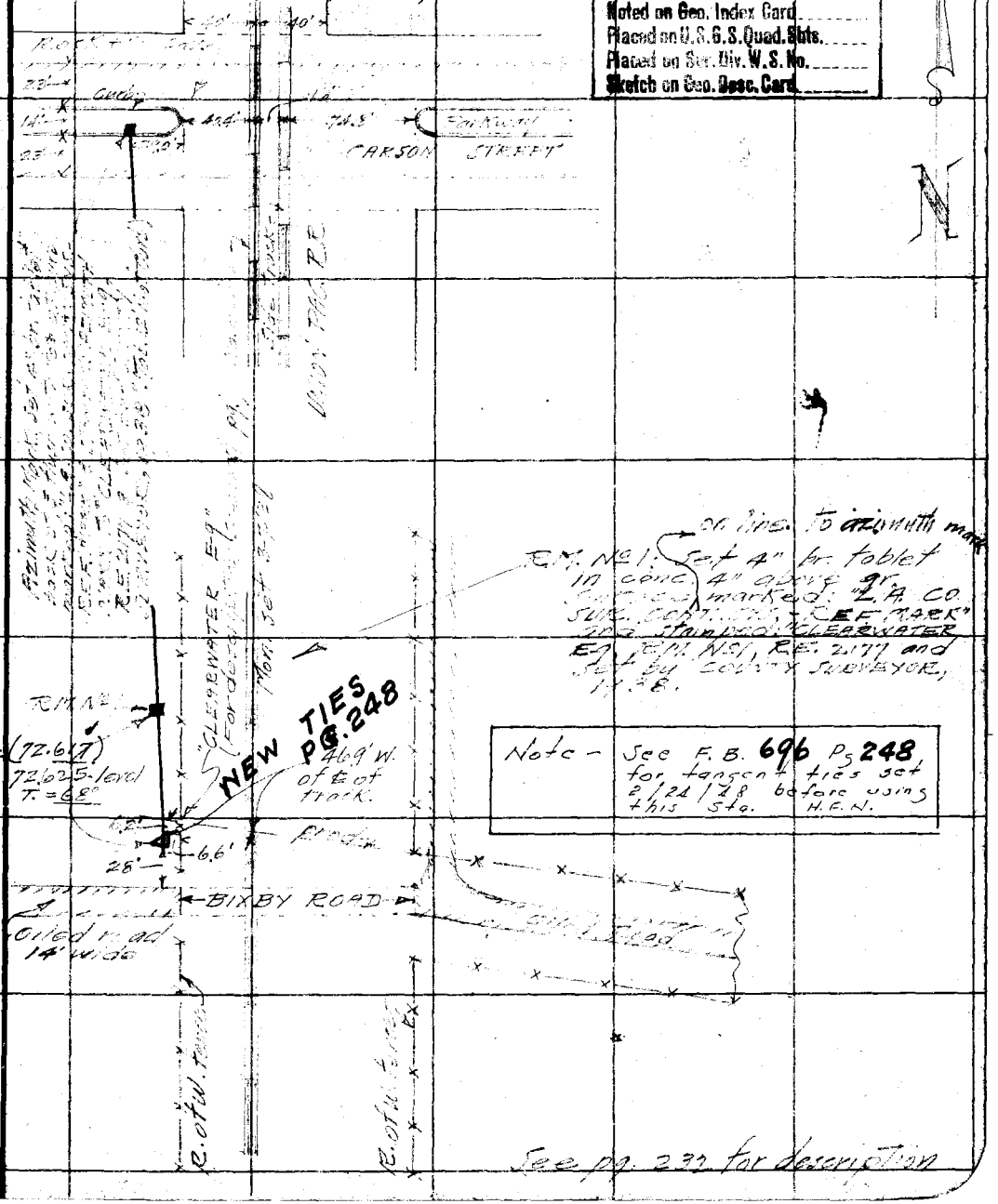
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 4911 Tape No. 064 St'd 24 F.
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed [illegible]

F.B. 696 Pg. 231

W.S. 30

L.A. CO. SUR. CONT. TRIANG. STA. -
"CLEARWATER E-9"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



Note - See F.B. 696 Pg 248 for tangent ties set 2/24/48 before using this Sta. H.F.N.

See pg. 232 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 232

~DESCRIPTION~

L.A. CO. SUR CONT. TRIANG. STA.-"CLEAR-WATER E-4"

[illegible] N. Long Beach Area 1000 east of [illegible] Ave. and [illegible] St. west side of [illegible] [illegible] fence of Union [illegible] R.R. R. of W. [illegible] Road.

[illegible] of west [illegible] Union [illegible] R.R. [illegible]

[illegible]

[illegible] a lead [illegible]

[illegible] in conc. [illegible] "L.A. [illegible] TRIANG. [illegible] "CLEARWATER [illegible] "COUNTY SURVEYOR 1936"

See pg. 231 for sketch

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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Notes Ck'd by	Survey of
Map No.	W. O. 4911 Tape No. 264 St'd 84° F.
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed

F.B. 690 PG. 23

W.S. 30

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Surv. Div. W.S. No.
Sketch on Geo. Desc. Card

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 PG. 234

~ DESCRIPTION ~

L.A. CO. SUR. CONT. TRIANG. STA. "CLEARWATER B-7"

In L.A. Co. ~~North Long Beach~~ North Long Beach Area [illegible] overhead bridge crossing Atlantic Ave. 0.6 mi. north of San Antonio Drive.

235.2' easterly of ℄ of Atlantic Blvd. along ℄ of Union Pacific R.R. track.

87.7' southerly from ℄ of U.P.R.R. track.

38.1' " " So. R/L fence of U.P.R.R.

180.4 easterly from east edge of east abutment along ℄ of U.P.R.R. track.

Sub-Surface Mark: Set [illegible] table [illegible] approx. [illegible] x 10" deep and separated from surface monument by an 8" [illegible]

Surface Mark: Set a 4" [illegible] in conc. 5" above ground surface marked: "L.A. COUNTY SURVEY CONTROL SYSTEM - TRIANGULATION STATION" and stamped: "CLEARWATER B-7, R.E.[illegible]" and set by "County Surveyor, 1938."

Note: A 4' observing stand was erected over this mark.

See pg. 233 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

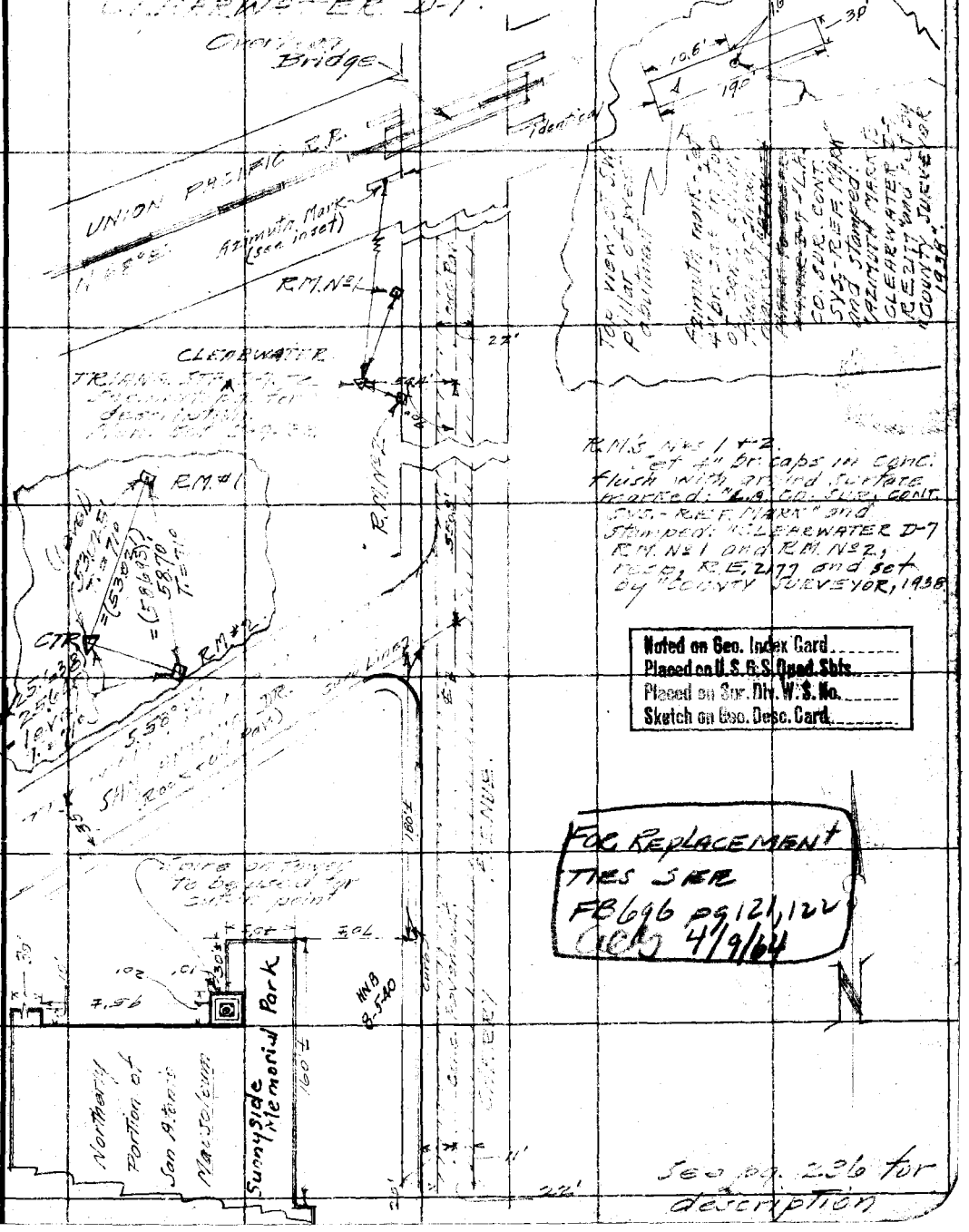
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line

Notes Ck'd by	Survey of Geod. Cont. Sys.-Ref. Mark	F.B. 696 Pg. 235
Map No.	W. O. 4911 Tape No. 064 St'd 84°F.	W.S. 30
Office Work	Surveyed by S.E. Butler	
Checked	Notes G. Kleinock Date 3-9-38	
Date	Indexed	

L.A. CO. SUR. CONT. TRIANG. STA.

"CLEARWATER D-7"



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Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

FOR REPLACEMENT TIES SEE FB696 pg 121, 122 GEG 4/9/64

See pg. 236 for description

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

Do not extend notes this side of this line

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 10M 11-35

F.B. 696 Pg. 236

~DESCRIPTION~

L.A. Co. [illegible] Triang. Sta. "CLEARWATER [illegible]"

N. Long Beach Area

[illegible]

[illegible]

[illegible] 44' west [illegible]

[illegible]

Surface Mark: Set 4" br. [illegible] in conc. 14" below gr. surface marked: "L.A. COUNTY SURVEY CONTROL SYSTEM - [illegible] STATION" and stamped: "CLEAR[illegible] [illegible]" set by "COUNTY SURVEYOR. [illegible]"

Note: A 4' observing [illegible] was erected over this mon.

See pg. 235 for sketch

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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.

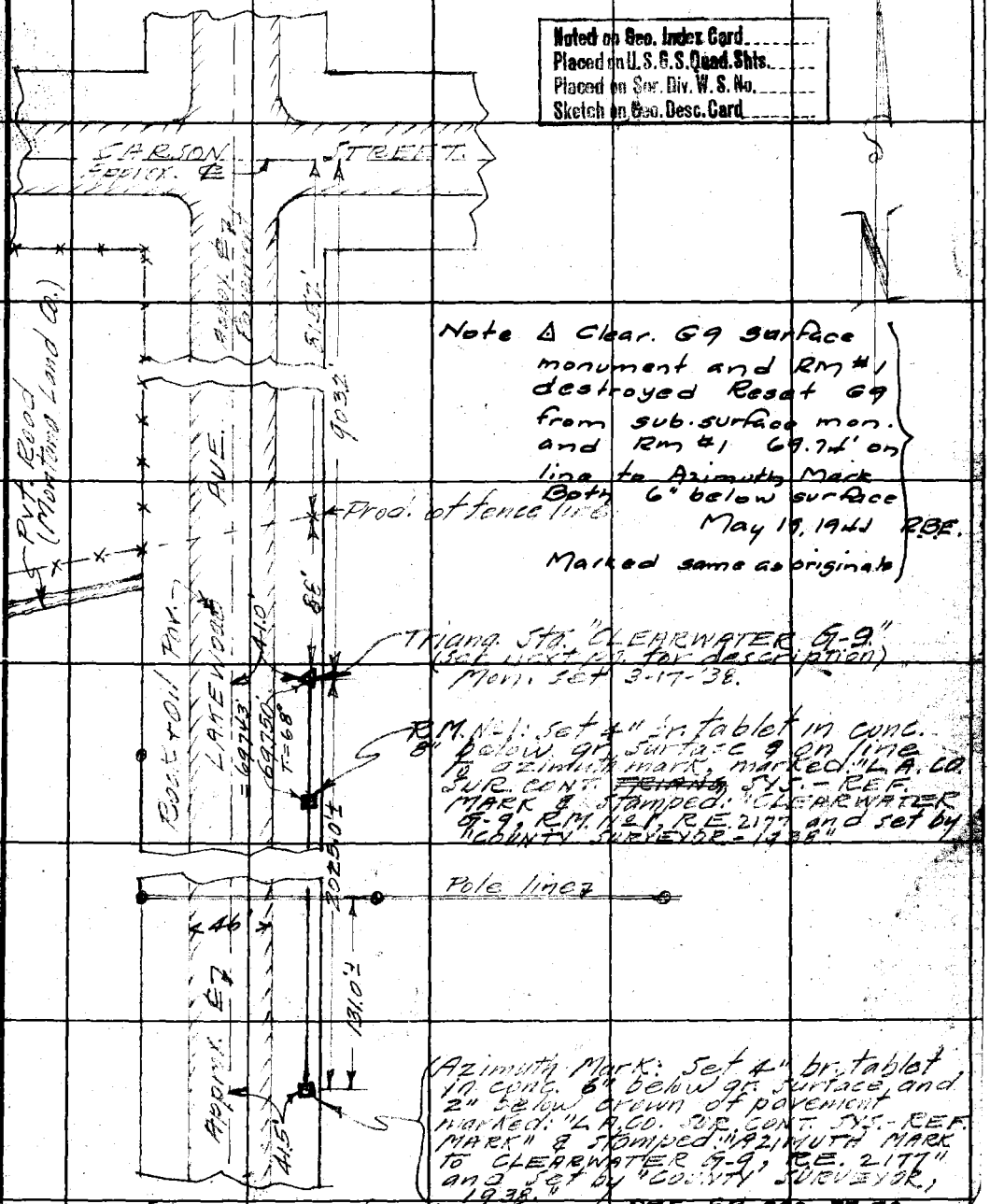
Notes Ck'd by	Survey of Geod. Cont. Sys. - No. Long
Map No.	W. O. 491 Tape No. 264 St'd 66 F
Office Work	Surveyed by S.E. Butler
Checked	Notes E. Klumker Date 3-17-38
Date	Indexed

Book F.B. 696 PG. 237

W.S. 31

L.A. Co. Sur. Cont. Trians. Sta. "Clearwater G-9"

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



Note Δ Clear. G9 surface monument and RM #1 destroyed Reset G9 from sub. surface mon. and RM #1 69.7 ft on line to Azimuth Mark both 6" below surface May 19, 1941 R.B.E. Marked same as originals

See pg. 238 for description. SEE F.B. 923-77, 78

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 SM 10-37

F.B. 696 PG. 238

~Description~

L.A. CO. SUR. CONT. TRIANG.
STA. - "CLEARWATER G-9"

In L.A. Co. near Lakewood Village (N. Long Beach Area) on the east side of Lakewood Ave (Curtis Ave) South of Carson Street.

903.2' South of approx. ℄ of Carson St.

[illegible] South of a [illegible] line [illegible] side of a private road [illegible] Lakewood Ave. projected eastwardly.

41.0' east of approx. ℄ of Lakewood Ave.

Sub-Surface Mark: [illegible] 4" below surface tablet a lead plug & copper tack in a conc. cylinder approx. 10" in dia. x 10" deep and separated from [illegible] monument by an 8" earth & [illegible]

Surface Mark:- Set a 2" br. tablet in conc. 5" below gr. surface and 2" below crown of pavement at center of avenue marked: "L.A. CO. SUR. CONT. SYS. - TRIANG. STA. and Stamped: "CLEARWATER G-9, R.E. 2177" and set by: "COUNTY SURVEYOR 1938"

See pg 237 for sketch.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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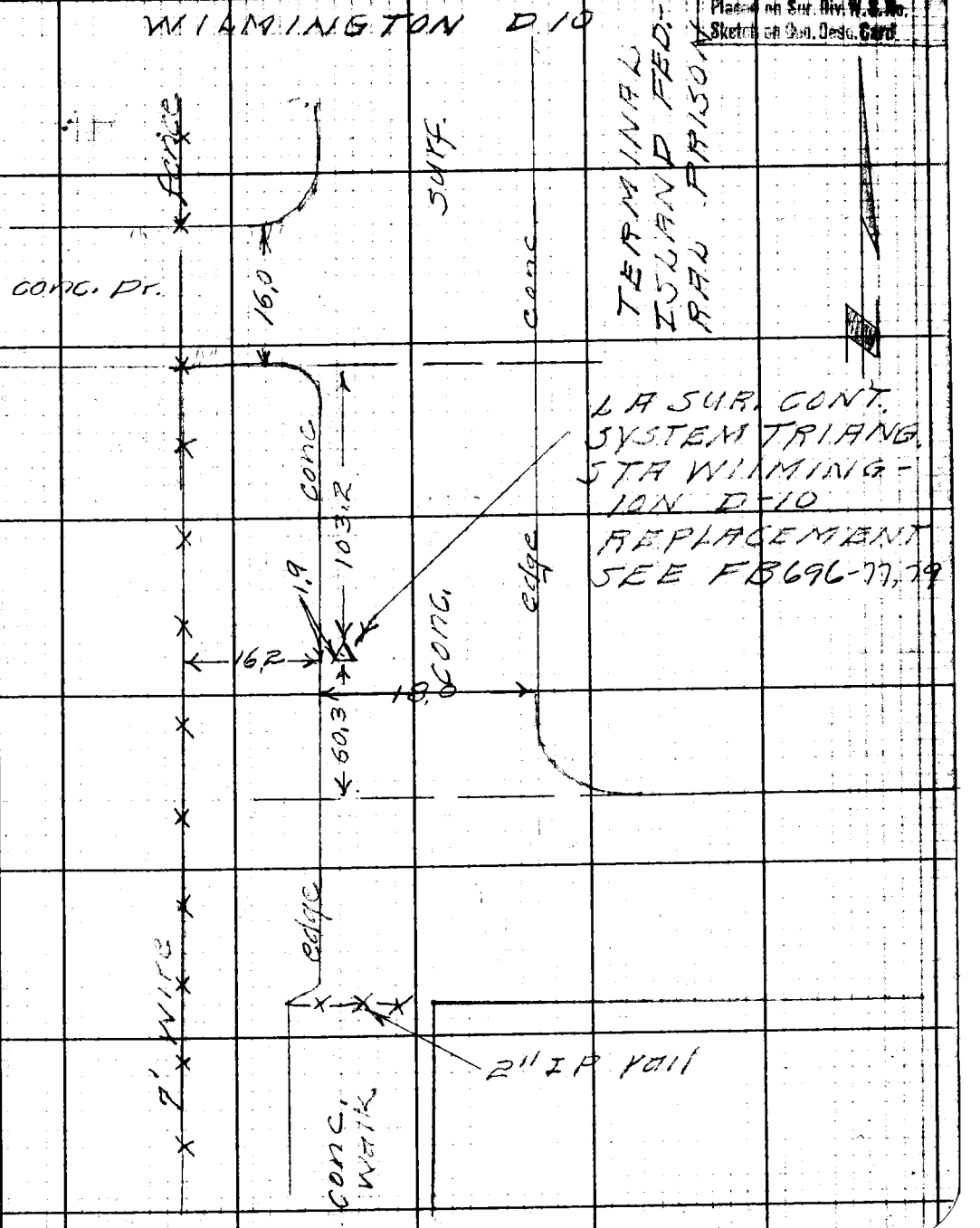
Notes Ck'd by	Survey of Long Beach Area
Map No.	W. O. 4911 Tape No. 061 St'd 24 F
Office Work	Surveyed by R B Emmott
Checked	Notes RLW Date 12-2-40
Date	Indexed 12-5-40

F.B. 696 PG. 234

W.S. 29

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card



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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 10-39

F.B. 696 PG. 240

DESCRIPTION

LA COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STA. "WILMINGTON D10"

Note - Original surface monument described on page 78 of this book has been destroyed This is a replacement of that monument set in position over the sub-surface mark which lies undisturbed

In the County of Los Angeles on the southerly end of Terminal Island on Reservation Point in the grounds of the US Public Health Service and Federal Prison in the 1.9' east of the west edge of pavement of the roadway to the end of the point and 103.2' south of the south edge of a concrete roadway to the Public Health buildings in a well in the pavement protected by a cast iron cover marked "County Surveyor Monument"

Surface Mark:

Set a standard 4" brass tablet in concrete 2" below subgrade of road marked "LA COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION" and stamped "WILMINGTON D10 RE 2107" and "SET BY COUNTY SURVEYOR 1940"

Sub-surface Mark:

See page 77

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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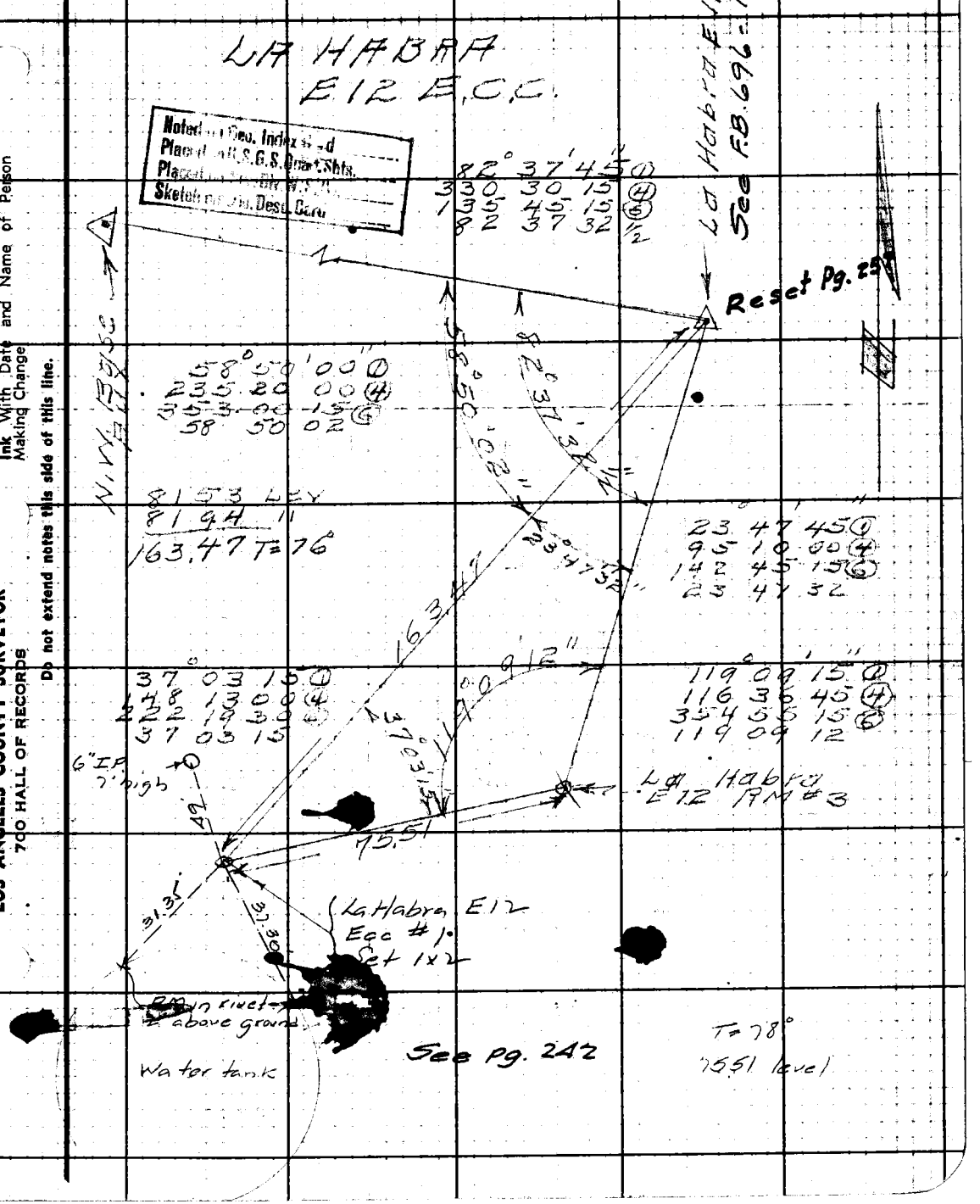
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Cadastral Map
Map No.	W. O. 4902 Tape No. St'd 76 °F
Office Work	Surveyed by 9 B Emmott
Checked	Notes R.L.W. Date 3-6-41
Date	Indexed A.C. 1-8-41

F.B. 696 Pg. 241

Orange County



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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

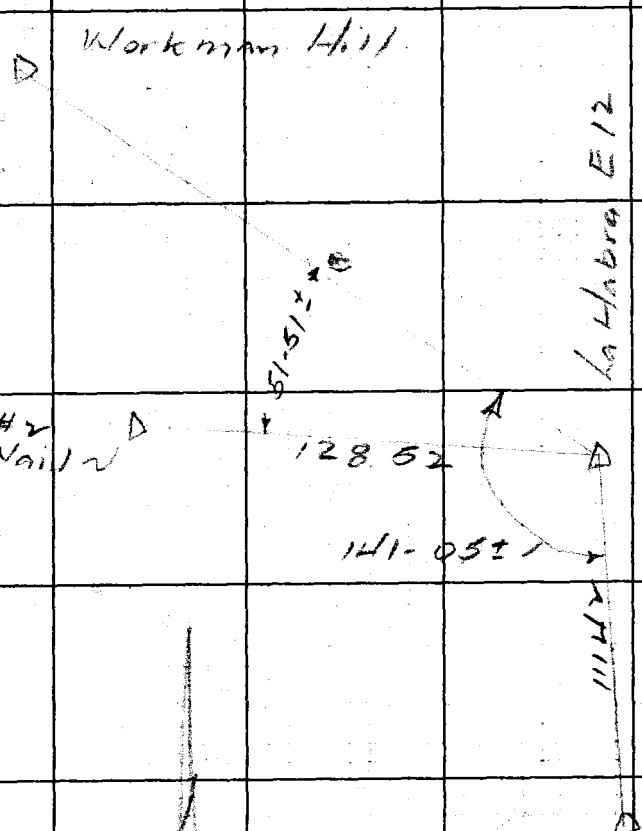
FORM 247 5M 10-39

F.B. 696 PG. 242

LA HABRA E 12
Eccentrics

Temporary Notes

Eccs to be used in
Montebello - Seal Beach Net



See FB 696-187
241

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

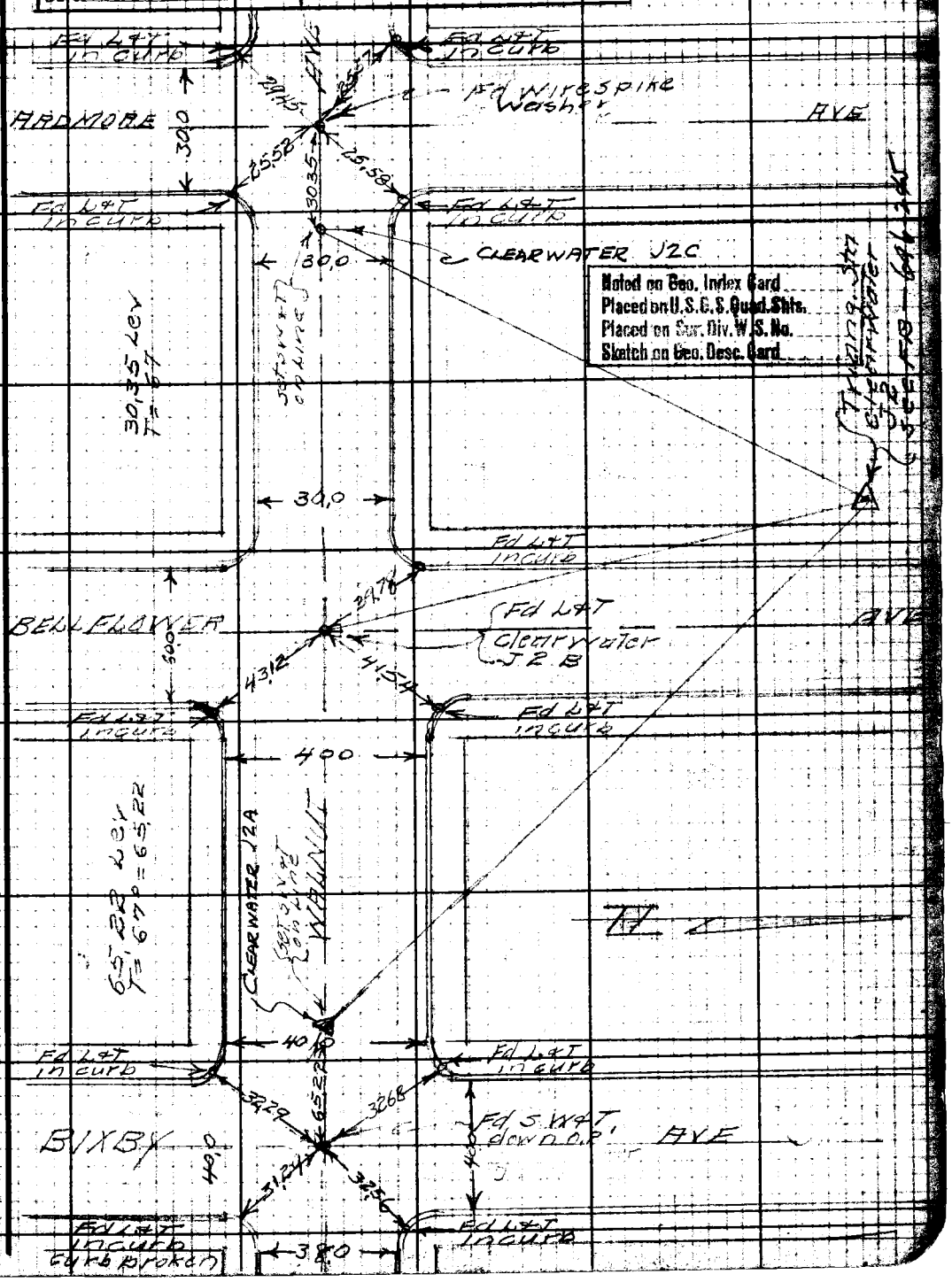
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

Notes Ck'd by	Survey of Cadastral Map
Map No.	W. O. 4942 Tape No. 030 St'd 68°F
Office Work	Surveyed by R B Emmott
Checked	Notes RLW Date 12-30-40
Date	Indexed

F.B. 696 Pg. 243

W.S. 31



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Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

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

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 10-39

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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.

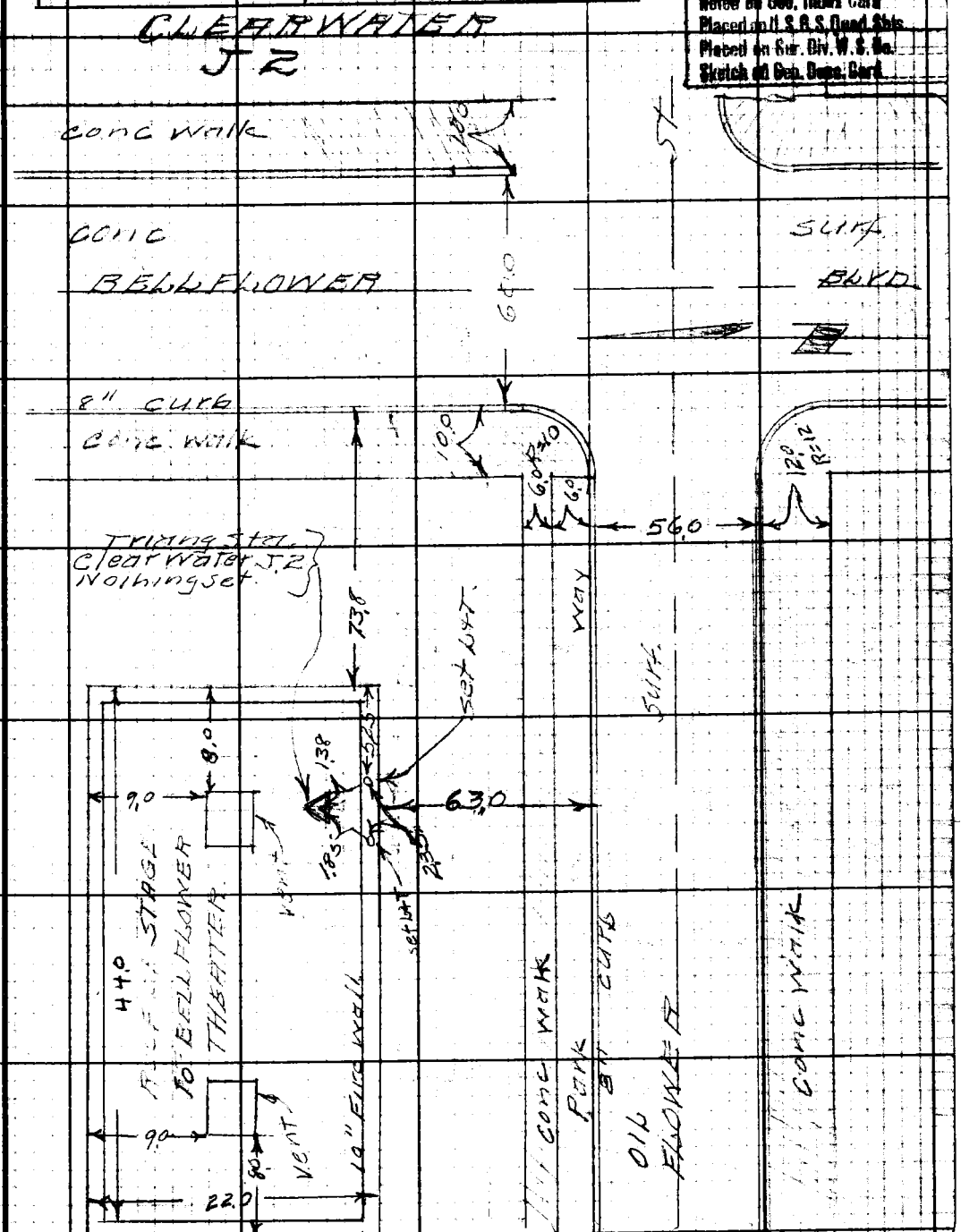
F.B. 696 PG. 244

Notes Ck'd by	Survey of Cadastral Map
Map No.	W. O. 4902 Tape No. 030 St'd 68°F
Office Work	Surveyed by R B Emmott
Checked	Notes RLW Date 12-30-46
Date	Indexed A. C. Johnson

F.B. 696 Pg. 74/J

W.S. 31

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Dept. Card.



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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 10-39

F.B. 696 PG. 46

DESCRIPTION

L A COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION CLEARWATER J2.

In the business center of the City of Bellflower on the roof of the stage to the Bellflower Theater 66' ± North of the of the North curb on Flower St and 79' ± West of the West curb on Bellflower Blvd.

Surface Mark ± Nothing set

Subsurface Mark ± None

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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.

Long Beach

F.B. 696 Pg. 247

Notes Ck'd by	Survey of Geo Cont SYS No.
Map No.	W. O. 49.1 Tape No. 958 St'd. 68 °F
Office Work	Surveyed by
Checked	Notes Date 2-24-48
Date	Indexed A. C. Johnson 4-13-48

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

TANGENT TIES

to

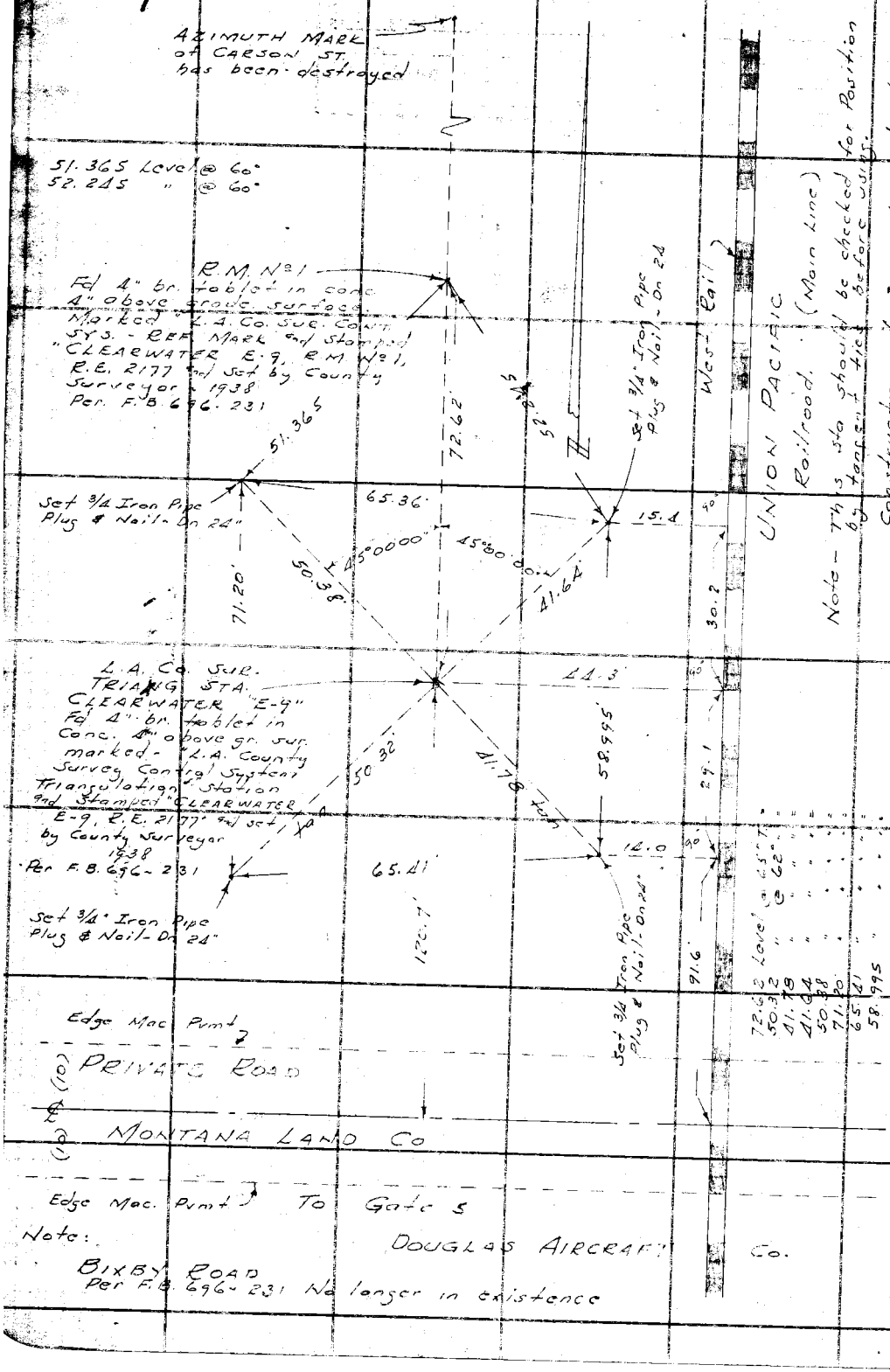
TRIANGULATION STATION

CLEARWATER "E-9"

H. F. Naumann
V. F. Ochsner
O. Loub
G. A. Sosse

FORM 247 5M 5-46

F. B. 696 PG. 248



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

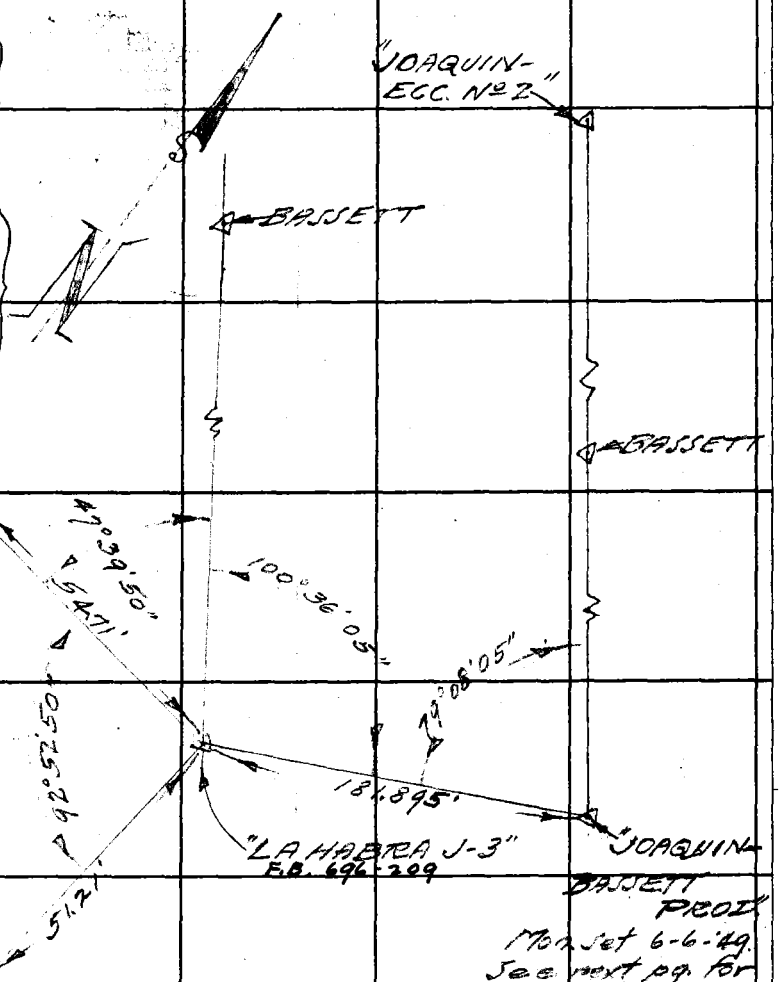
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Geod. Control. Sys.
Map No.	W. O. 4900 Tape No. 100 St'd 84° F
Office Work	Surveyed by G.W. Klameck
Checked	Notes G.W.K. Date 6-6-'49
Date	Indexed A. C. Johnson 10-24-49

F.B. 696 Pg. 249

GEOD. SURV. CONT. STA. "JOAQUIN-BASSETT PROD."

(2) 158-16-00
79-08-00
(4) 316-32-30
(6) 114-48-30
79-08-05
(2) 201-12-15
100-36-07½
(4) 42-24-30
(6) 243-36-30
100-36-05



Note: These mon's are in an open cultivated field. There is a possibility that they could have been hit and moved since first set. Ties as shown are remeasured.

Mon. set 6-6-'49. See next pg. for desc.

183.29' @ 7°05' @ 90° = 181.895' (Tape #100-84°)
183.285' @ 7°04' @ " = 181.899' (" # 56-84°)
AV. = 181.895'

54.71' @ 88° = same
51.21' @ " = " .
76.78' @ " = " .

(2) 95-19-30
47-39-45
(4) 190-39-15
(6) 285-59-00
47-39-50

(2) 185-45-30
92-52-45
(4) 11-31-15
(6) 197-16-45
92-52-47½
50

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 11-46

F. B. 696 PG. 250

~DESCRIPTION~

For location see "LA HABRA J-3".

Station Mark:- Set a Std. 2½" bronze C.S. tablet in concrete 18" below ground surface inscribed "JOAQUIN-BASSETT RROD-1949, COUNTY SURVEYOR R.E. 329".

Subsurface Mark: None

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

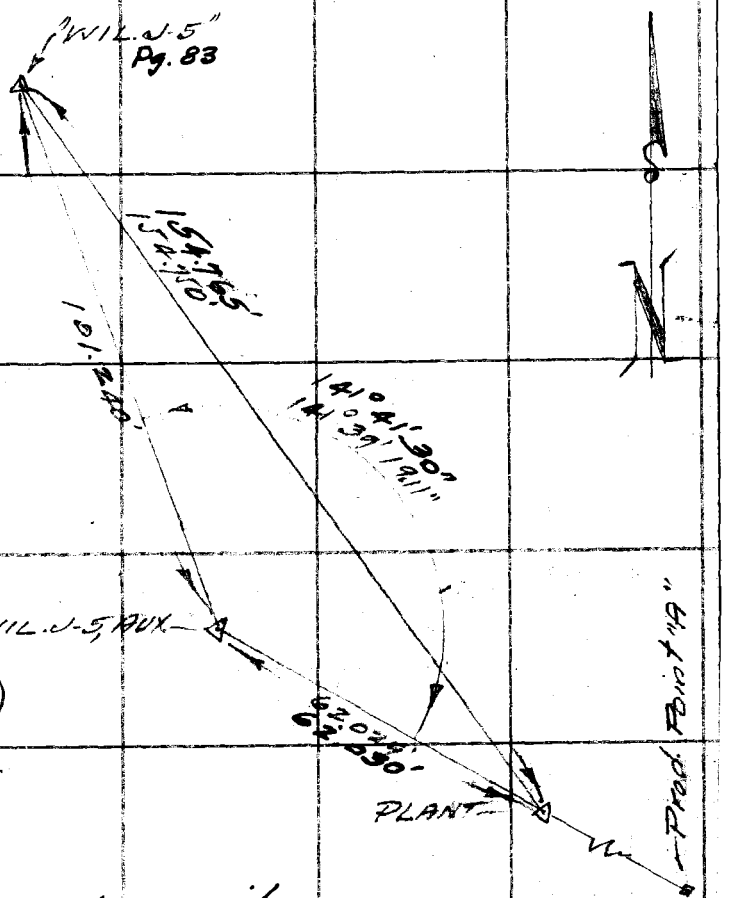
Do not extend notes this side of this line.

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 Geodetic Control
Map No.	W. O. 4900 Tape No. St'd °F
Office Work	Surveyed by G.W. Kleineck
Checked	Notes G.W.K. Date 3-27-50
Date	Indexed A. C. Johnson 4-4-50

F. B. 696 Pg. 251

A CHECK ON THE POSITION OF AN AUX. STATION "PLANT" OF THE TRIANG. STA. "WILMINGTON J-5" ON THE EDISON POWER PLANT - LONG BEACH, CALIF., LOCATED BY THE U.S.C. & G.S.



(2) 283-23-45
141-41-52½

(4) ~~206-46-00~~
141-41-30

(6) 130-08-45
141-41-~~29½~~ 30

U.S.C. & G.S. notes are in pencil.
L.A. Co " " " ink.
See next pg. for meas'd dist's.

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

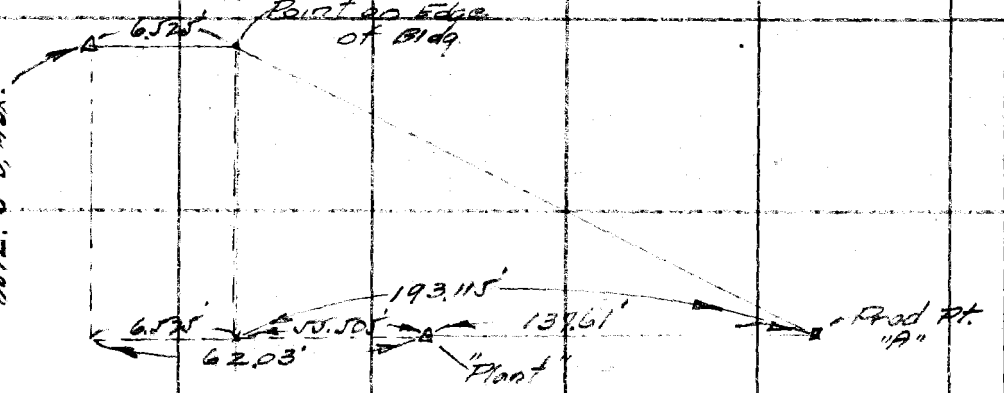
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 5-46

F. B. 696 PG. 258

Determination of Distance From "W.L.J.-5, Aux" TO Prod. Pt. "A"



300' Tape #100 std. @ 84°
215.35' @ 26°31'30" @ 68° = 193.11' } From edge of bldg. to Pt. "A"

300' Tape #056 std. @ 84°
215.86' @ 26°31'30" @ 68° = 193.12' }

Tape #100
137.625' @ 0°00' @ 68° = 137.61' } From "Plant" to Prod. "A".

Tape #056
137.625' @ 0°00' @ 68° = 137.61' }

Distance From "W.L.J.-5, Str." TO "PLANT"
300' Tape #100 std. @ 84°.

18.14' (level) @ 64°	=	18.140'
162.16' @ 32°34'40" @ 64°	=	136.625'
		154.765'

RETURN TO
LOS ANGELES COUNTY SURVEYOR
7DO HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed R. O. Johnson 5-2-51

F. B. 696 Pg. 259

OLD DESC. PG. 110

Aug. 31 - 49.

TRIANG. STA. "SAN JUAN"

New Road Description:- (Continues mileage from Romona).

0.00 = Intersection of Holt & Garey Aves. South on Garey.

5.90 = Intersection with Pipeline Ave. South on Pipeline.

6.45 = Intersection with Carbon Canon Road. East on Carbon Cn Rd.

7.50 = Intersection with Pomona Rincon Rd. South on Pomona Rincon Rd.

8.30 * Cross Los Serranos Road.

9.00 Turn right on dirt road running S.W. & N.W. to the Mollin Ranch in the China Hills.

13.20 = Cattle guard gate 1000'± South of Ranch Bldgs. Bear to left and follow graded road up ridge to the West and more or less parallel to a line of transmission towers to the South.

15.60 = Road fork. Leave road and proceed to top and along ridge in S.W'ly direction to the top of the highest hill in the range and the Station.

Note:- Old described route by way of McDermont Ranch difficult and impracticable. AMK

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

Do not extend notes this side of this line.

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

FORM 247 5M 11-46

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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.

F. B. 496 Pg. 22

F. B. 696 Pg. 255

Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. Johnson 6-30-52

Tie Ref. for La Verne K-11
FB 696-179

6-26-52

Note: Found R.M #1 plowed out returned cap & pipe to warehouse - Note Golf Course & Club house removed.

Parker & Pauly

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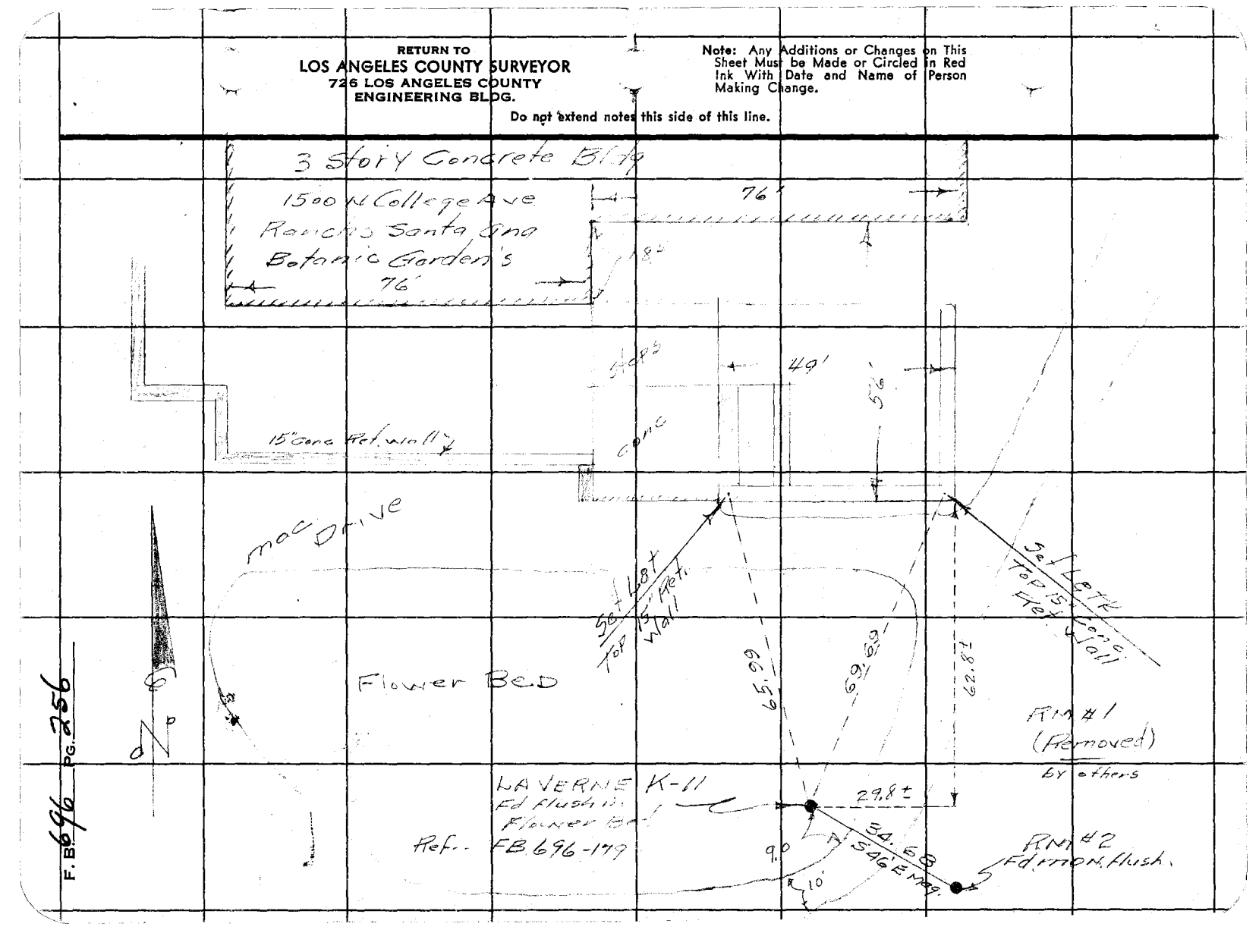
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 247 2-51

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

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

Do not extend notes this side of this line.



F.B. 696 PG. 256

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

Survey of Survey Investigation
JN 0301.00 Tape 0.12 Std 84° 69° °F
Surveyed by D. Sappell
Notes D.S. Date 2-16-59
Indexed A. C. Johnson 2-24-59

F. B. 696 Pg. 257.

"La Habra E-12 E.C.C." Fd 1x2 with tap broken off dwn 18" Per F.B. 696-241 Set N. in 1x2 by tics & 1x2 R&S & N Ft. 31.85

To sight on RM

RESTABLISHMENT OF L.A. CO. SURVEY CONT. TRIANGULATION STATION "LA HABRA E-12" ORANGE COUNTY. - Original & sub-monument destroyed by road construction. RM's 1, 2, & 4 also destroyed - See F.B. 696-106 & 107 & 241

Steel Tank 55' Diameter

Fd P.K. in rivet 2' above grnd. per F.B. 696-241

N 37° 32' E 37.32

N 37° 32' E 37.32

142.56

37° 00' 00" 2460

To N.W. Base Aux.

"LA HABRA E-12" Pg 260 See Pg 260 for description Set by R&C & F.B. & L.S.T. pg. F.B. 696-241 & 107

To La Habra C.9A"

P.O.T. Set Nail

156° 12' 15"

Ø 8" C.M.

To Top Pg 259

Fd. Pr.

M = 244.75 Pg 259

RM #3 Fd 4" Br. cap set in conc. flush with grd. surf. Mkd. L.A. Co Sur. Cont. System - Reference Mark" & stamped "110. 3, LA Habra E-12, 1937 - RE. 2.17 & set by "L. A. Co. Surveyor" Pg F.B. 696-106, 107, 241

R&C 112.78

121.49 Pg 259

S 15° 48' 00" W

Service Rd

R40

TOP

Ø 16"

R 259

276.30

P.O.T. Set Nail

91°

60' Travelled

Main Travelled Road

To sight on RM #1

Set N&T. in L.T.P.

60.73

R40 Service Rd.

R40 Service Rd.

Note: Original RM #2 destroyed by road construction. See F.B. 696-106 & 107

RM No 1, Set See Pg 260 For description

See Pg 259 for chaing data

Set L.A. Co Engr Tag

Conc. platform

Pg 259 189.445

109.61

91.89

84.34

RM No 2 - Set See Pg 260 For description

Std. of 6" M.C. 165 oil well

Conc slab of top

A 429

10.0

Set N&T. in 6" RP with conduit box

1) 142° 32' 45" 2) 211 47 15 3) 137 41 15 4) N 42° 56' 52 1/2 E

1) 31° 34' 00" 2) 4 02 12 00 3) 180 31 00 4) 31° 34' 00"

1) 119° 09' 15" 2) 116 32 45 3) 354 55 15 4) N 119° 09' 12 E

1) 156° 12' 15" 2) 244 49 30 3) 217 13 30 4) N. 156° 12' 15" W.

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

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

763098 CE #247—7-59

F. B. 696 PG. 258

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

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

Do not extend notes this side of this line.

Notes Ck'd by		Survey of Survey Investigation	F. B. 696 Pg. 359
Map No.		JN 2201.00 Tape Std °F	
Office Work		Surveyed by D. Sawpell	
Checked		Notes D.S Date 2-17-59	
Date		Indexed A. C. Johnson	

300' Tape 114 Std 84°

① 72.905 @ 3°03'00" T=62° = 72.79
② 73.08 @ 5°00'00" " = 72.79
Av. = 72.79 From Sta. to P.O.T. Nail

① 122.36 @ 6°45'30" T 56° = 121.49
② 122.10 @ 5°37'30" " = 121.49
Av. 121.49 From R.M #3 to P.O.T. Nail

① 276.45 @ 5°07'30" T=60° = 275.30
② 276.32 @ 4°58'00" " = 275.30
Av. = 275.30 From Sta. to R.M. Nº 1.

100' Tape Nº 0112 Std 68°

① 189.45 T 58° Lev. = 189.44
② 189.46 " " = 189.45
Av = 189.445 From RM Nº 1 To R.M. Nº 2

① 244.75 T 60° Lev. = 244.74
② 244.77 " " = 244.76
Av. = 244.75 From RM Nº 3 to R.M. Nº 4

90.64 T 60° Lev = 90.64 From P.O.T. Nail to "La Habra E-12 E.C.C."

75.51 T 60° " = 75.51 From RM Nº 3 To " " "

79.42 T 58° Lev = 79.42
69.93 " " = 69.93
58.92 " " = 58.92
} Tie distances to R.M. Nº 4

40.03 " " = 40.03

109.62 T 60° " = 109.61
91.39 " " = 91.39
84.34 " " = 84.34
44.29 " " = 44.29
25.35 " " = 25.35
60.73 " " = 60.73
} Tie distances to R.M. Nº 2 & RM Nº 1

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

763098 CE #247—7-55

F. B. 696 PG. 269

-DESCRIPTION-

RE-ESTABLISHMENT OF L.A. CO. SUR. CONT. TRIANGULATION STA "LA HABRA E-12"

Surface Mark:

Set 2 std. 4" brass cap in conc. pre-cast mon. - Mkd. "L.A. Co. SURVEY CONTROL SYSTEM - TRIANGULATION STATION" & stamped "LA HABRA E-12, 1959, R.E. 5869" - 10" below the surface w/ the pvmt. in a well prot. by a cast iron cover mkd "County Engineer Monument"

See F.B. 696-108 For add. location information

Sub-Surface Mark:

None set.

R.M. NO 1, 2, & 4

Set a std. C.E. brass cap mon. - Flush. Mkd "County Engineer" & stamped "LA HABRA E-12, R.M. NO 1, 2, & 4 (as shown on page 267 & 268) 1959, R.E. 5869"

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

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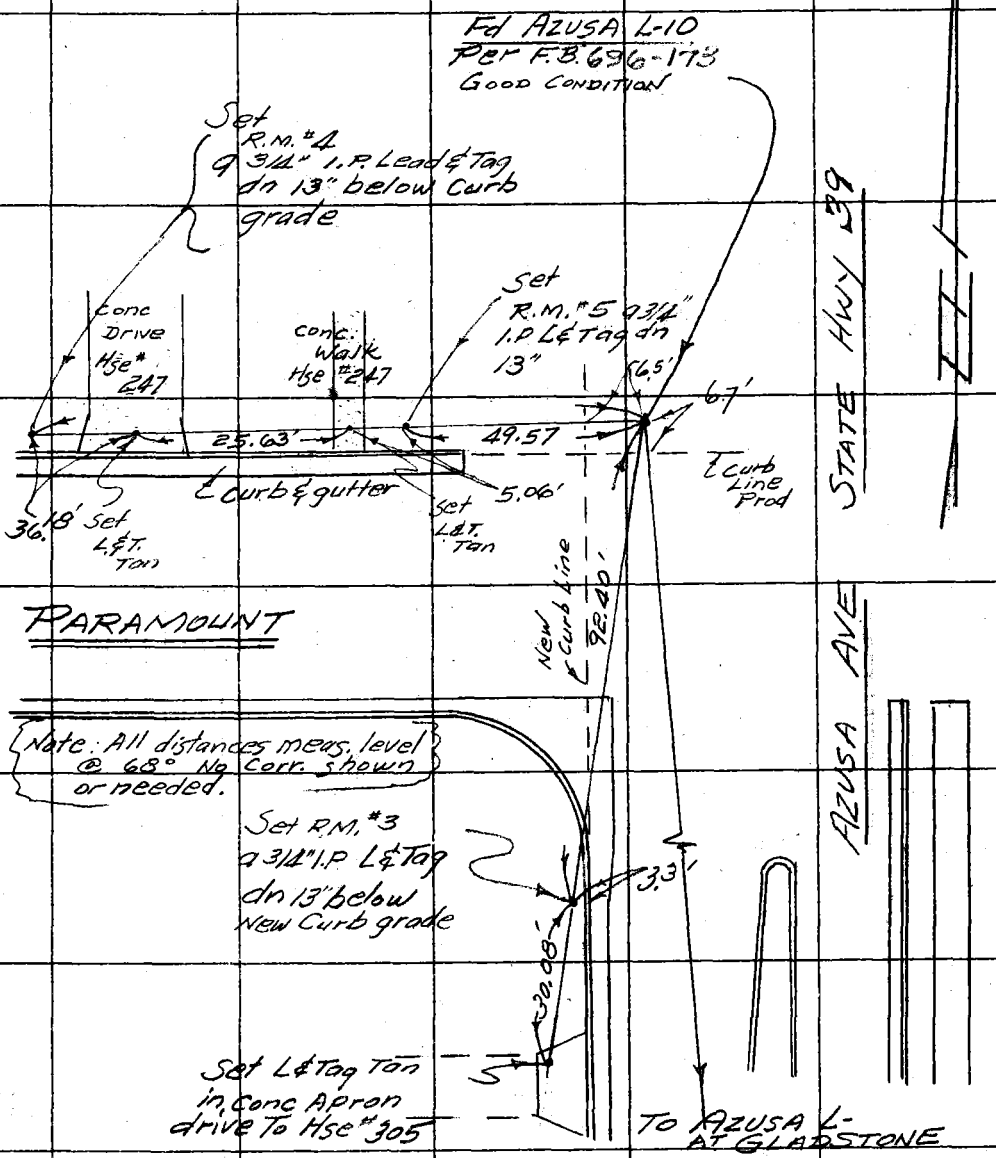
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 696 PG. 261
Map No.	JN 0301.00 Tape 0162 Std 68 °F	
Office Work	Surveyed by STOCK	Original Sketch
Checked	Notes STOCK Date 6-4-59	
Date	Indexed [redacted] 6-8-59	

L.A. COUNTY SURVEY CONTROL SYSTEM

"TRIANGULATION" STATION

AZUSA L-10



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

Sketch on Geo. Desc. Card

Do not extend notes this side of this line.

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

76309S CE #247—7-53

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

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Do not extend notes this side of this line.

F. B. 590 PG. 162

Noted | Index Card | Plotted | U.S.G.S. Quad. Shts. | Planed | Checked | Surv. W.S. No. | Sketch on Sheet | Recor. Card

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

Survey of GEODETIC CONTROL
JN 0301.00 Tape 84 Std 84 °F
Surveyed by DREIER
Notes MOODY Date 12-60
Indexed H. E. Ott JAN 9 61

F. B. 696 Pg. 263

L.A. COUNTY SURVEY CONTROL SYSTEM

NEW TIES TRIANGULATION STATIONS THATCHER AUX #2, & #3

SET THATCHER AUX #5
A STANDARD TRIANGULATION STATION MARK IN CONC FLUSH
SEE NEXT PAGE FOR DESC.

TO COVINA I-9

SET THATCHER AUX #4
A STANDARD TRIANGULATION STATION MARK IN CONC FLUSH
SEE NEXT PG FOR DESC.

140.55'
124.43'
68.25'
19.72'
65.34'

140.56' @ 70° = 140.55
124.44 @ " = 124.43
68.26 @ " = 68.25
19.72 @ " = 19.72
65.35 @ " = 65.34
124.64 @ " = 124.63
131.39 @ " = 131.38
41.75 @ " = 41.75

89°-45'-35"
90°-00'-10"

FD THATCHER AUX #3
A STANDARD TRIANGULATION STATION MARK IN CONC FLUSH
SEE FB 696-211

SET 3/4 I.P. ON 12"

TO COVINA I-9

FD THATCHER AUX #2
A STANDARD TRIANGULATION STATION MARK IN CONC FLUSH
SEE FB 696-211

53°-10'-40"

124.63'

41.75'

131.38'

SET RM. NO 1
A STAND. 4" BR. CAP IN CONC FLUSH
SEE NEXT PG

71°-36'-00"

36°-14'-00"

SET RM NO 2
A STAND 4" BR. CAP IN CONC. FLUSH
SEE NEXT PG.

D 90°-00'-00"			
A 360°-00'-40" 90-00-10			
B 180°-01'-00" 90-00-10			
D 36°-14'-00"			
A 144°-56'-00" 36-14-00			
B 217°-24'-00" 36-14-00			
D 71°-35'-50"	1. 53°-10'-40"	1. 89°-45'-20"	
A 286°-24'-00" 71-36-00	4. 212°-43'-00" 53-10-45	4. 359°-02'-20 89-45-35	
B 69°-36'-00" 71-36-00	6. 319°-04'-40" 53-10-46 3/3	6. 178°-33'-20" 89-45-33 1/3	

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

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Do not extend notes this side of this line.

76F3098 CE #247—3-57

F.B. 696 PG. 264

LA BREA G-1
DESCRIPTIONS

THATCHER AUX #4 & #5

THESE TRIANGULATION STATIONS ARE IN THE PUENTE HILLS, 1500± WEST OF BREA CANYON ROAD AND 2,000± SOUTH OF 5TH AVE ON THE SUMMIT OF FLAT HILL. TOP. AUX. #4 IS AT N.E. EDGE OF HILL FLUSH ON 3' WIDE SPUR, AUX. #5 IS AT N. W'LY EDGE OF HILL FLUSH ON 3' WIDE SPUR.

STATION MARK. SET A STANDARD 4" BRASS TABLET TRIANGULATION MARK IN CONC. FLUSH AND STAMPED LA BREA G-1 THATCHER AUX #4, SET BY L.A. CO. ENGR. R.E. 5860, 1960

STATION MARK. THATCHER AUX #5 SET SAME AS THATCHER AUX #4 ONLY STAMPED AUX #5

R.M. NO. 1 SET A STANDARD 4" BRASS TABLET IN CONC. FLUSH AND MARKED LA CO. SUR. CONT. SYS. - REF. MARK, AND STAMPED LA BREA G-1 AUX #2 R.M. NO. 1 SET BY L.A. CO. ENGR. RE. 5869, 1960. (ON A 3' WIDE SPUR)

R.M. NO. 2 SET SAME AS RM. NO 1 ONLY STAMPED RM NO 2.

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

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

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

Survey of GEODETIC Control
JN 0301.00 Tape 0173 Std 68 °F
Surveyed by A.C. GUIZADO
Notes ACG 9/24/61
Indexed C. J. GALLI OCT 4 '61

F. B. 696 PG. 265

Ticked on Index Card
Plotted on U.S. Quad. Sht.
Placed on Str. Div. M. S. Sht.
Sketch on Geo. Desc. Card

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

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

Do not extend this side of this line.

L.A. CO SURVEY CONTROL SYSTEM

CLAREMONT A6B MUX 1 1958

SPADRA
CLAREMONT A-6

COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
CLAREMONT A6
RESET
1972
RE 7018
BELOW
1 FOR INFORMATION SEE COUNTY SURVEYOR

ctr. sta. reset using record distances from RM 2 & center of flood control system. A 4" L.A.CO. SUR. CONT. SYS. BRASS TRIANG. DISC STAMPED & ORIENTED AS SHOWN ON 3" ø SETTING rock outcrop. 4-13-72 RMW

T=88
22.13

ECC 1 Destroyed 4-13-72

99°26'40.82"
FB 696 p 149 24 27

ECC #1 SEE Next Pg.

SPADRA
CLAREMONT A6
FB 696-151, 152

FD RM #2 SEE NEXT PG.

43.915'
43.91

28.35'
24.65'
25.82'
28.81'
32.45'
29.50'

LA. CO FLOOD CONTROL RM SEE NEXT PG

1.17'

RM #1 SEE NEXT PG

RM 1 DESTROYED 4-13-72 RMW

T=88° #221 STOC 84°
43.915' = 43.915'
28.35' = 28.35'
25.82' = 25.82'
24.65' = 24.65'
28.81' = 28.81'

SET RM 3: A 4" L.A.CO SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "CLAREMONT A6 RM 3 1972 RE 7018" IN set flush in flat rock outcrop 4-13-72 RMW

COVINA L-6 1935

Flood control disc destroyed, but stem found in rock out crop center used for tie to re-set ctr. sta.

T=88°	
22.13 @ LEV	= 22.13
43.90 @ "	= 43.91
24.65 @ "	= 24.65
28.81 @ "	= 28.81
32.45 @ "	= 32.45
29.50 @ "	= 29.50

62

76F3095 CE 8310

F. B. 696 PG. 266

TRIANGULATION STATION
CLAREMONT A-6
USGS "SPADRA"

THIS STATION IS IN THE COUNTY OF LOS ANGELES, WEST OF THE CITY OF POMONA IN THE AREA CALLED "SPADRA" FROM THE INTERSECTION OF CORONA FRWY & 5th AVE. PROCEED 1.5 MI EAST ALONG 5th AVE TO A LARGE CUT ON NORTHLY SIDE OF 5th AVE, WALKUP SIDE HILL TO HIGHEST PEAK & TO STATION.

STATION MARK: ~~FD A 4 INCH BRASS TABLET INSCRIBED "USGS IN COOPERATION WITH LOS ANGELES COUNTY SPADRA RS 1923" & WAS IN A LARGE BOULDER CEMENTED IN PLACE~~

Ctr. Sta. re-set 4-13-72 A 4" L.A. CO. SUR. CONT. SYS. BRASS TRIANG. DISC STAMPED "CLAREMONT A6 RESET 1972 ~~[illegible]~~ RE 7078" DN. 3" & SET IN ROCK OUT CROP. RLW

~~ECC # 1: FD A 3/4 INCH IRON PIPE WITH LEAD & NAIL, UP ABOUT 4 INCHES~~ Destroyed 4-13-72 RLW

RM 1 Fd. Destroyed 4-13-72 RLW

~~RM NO 1 - FD A STD 4" BRASS RM TABLET STAMPED "CLAREMONT A 6 1937 RE 2177 RM # 1 LA CO SURVEYOR" IN LARGE BOULDER CEMENTED IN PLACE~~

RM NO 2 - SAME AS RM # 1 EXCEPT "RM # 2 Fd 4-13-72 RLW

~~LA CO FLOOD CONTROL DISTRICT - FOUND A TABLET 4" BRASS IN A LARGE BOULDER CEMENTED IN PLACE & STAMPED "SPADRA RM No 1"~~

DISC Fd. Destroyed 4-13-72, but stem found imbedded in rock outcrop 4-13-72 RLW

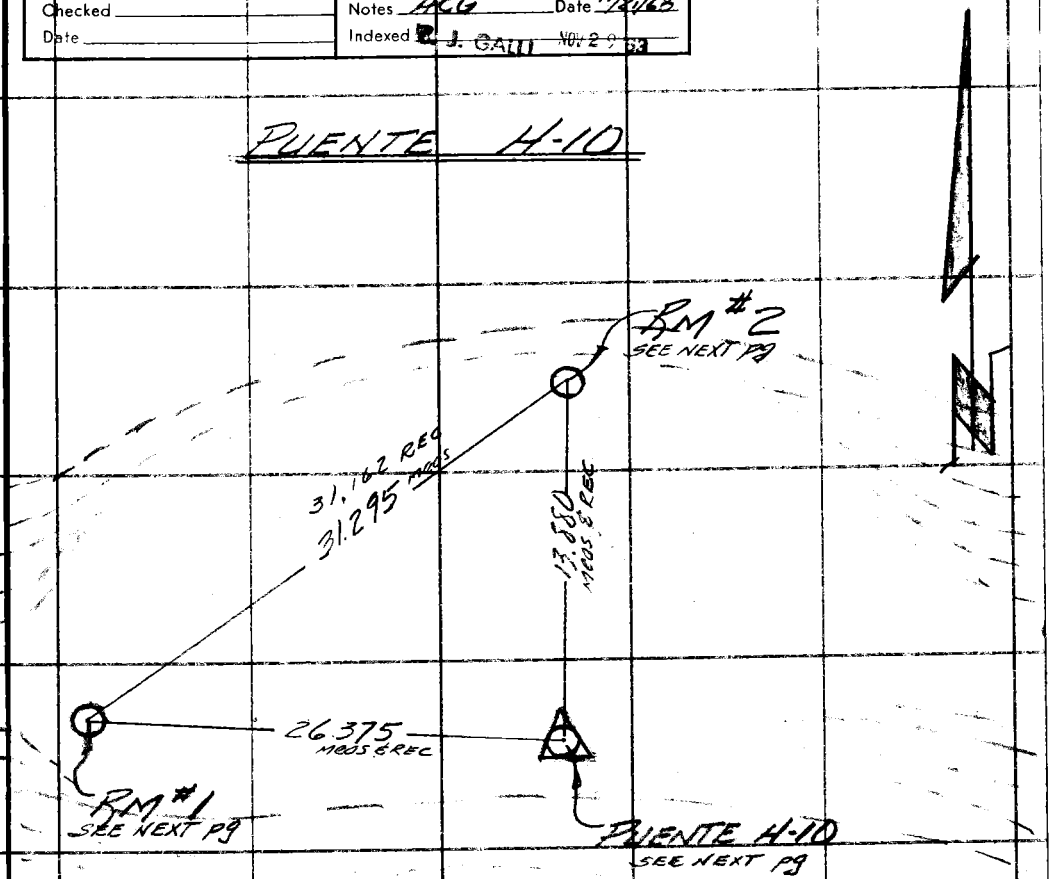
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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 Geodetic Control
Map No.	JN 030100 Tape 0139 Std 68 °F
Office Work	Surveyed by A.C. Guizado
Checked	Notes ACG Date 11/21/63
Date	Indexed E. J. Galli NOV 29 '63

F. B. 696 PG. 267

PUENTE H-10



FOR ORIGINAL DESCRIPTION SEE FB 696 pg 141, 142

NOTE: SEE FB 942-177-180 FOR LATER SURVEY 10-76 W.A.R.

Note: Any Additional Information Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change. Sketch on Sec. Desc. Card.

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76F3095 CE #310 6-62

F. B. 696 PG. 268

TRIANGULATION STATION
PUENTE H-10

THIS STATION IS IN THE COUNTY OF LOS ANGELES, SAN GABRIEL VALLEY, ABOUT 1.25 MILES EAST OF THE TOWN OF LA PUENTE.
TO REACH THIS STATION, PROCEED NORTH FROM THE INTERSECTION OF PASS & COVINA ROAD & VALLEY BLVD, ON PASS & COVINA RD 0.4 MI TO ROAD ON WEST SIDE LEADING TO PUBLIC DUMP, GO WEST ON DUMP ROAD 0.6 MI TO DIRT ROAD ON NORTH SIDE, GO NORTH ON DIRT ROAD ABOUT 0.3 MI TO FLAT AREA. STATION IS ON HIGHEST POINT OF EAST WEST RIDGE.

STATION MARK: SET A STD 4"
TRIANGULATION PRECAST MONUMENT STAMPED "PUENTE H-10 RESET 1963 LACO ENGR RE 5869" UP ABOUT 4 INCHES. SET A YELLOW GUARD PIPE ABOUT 3 FT. NLY OF STATION.

REFERENCE MARK #1 FD A STD 4" BM TABLET IN CONC. 2" ABOVE GROUND STAMPED "PUENTE H-10 RM No 1 RE 3177 1957 COUNTY SURVEYOR"
NOTE: THIS MONUMENT APPEARS TO HAVE BEEN HIT TOWARD THE WEST

REFERENCE MARK #2 SAME AS RM #1 EXCEPT STAMPED RM #2.
NOTE: THIS MONUMENT APPEARS TO HAVE BEEN HIT TOWARD THE NORTH.

PLEASE RETURN TO
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403 Los Angeles County Engineering Bldg.
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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

763095 CE #247—7-53

RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

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

Survey of
JN
Tape Std °F
Surveyed by
Notes Date
Indexed

F. B. PG.

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

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Do not extend notes this side of this line.

F. B. _____ PG. _____

F. B. 696 PG. ~~[illegible]~~ ~~255~~ 257

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

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

Do not extend notes this side of this line.

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

76F309S 247 10M 1-49

COUNTY OF
LOS ANGELES COUNTY SURVEYOR
900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA

For Additions or Changes on This
Print Submit as Dicted in Red
Ink With Date and Name of Person
Making Change.

By this offering notice the Public of this line.

696

F. B.____PG.____