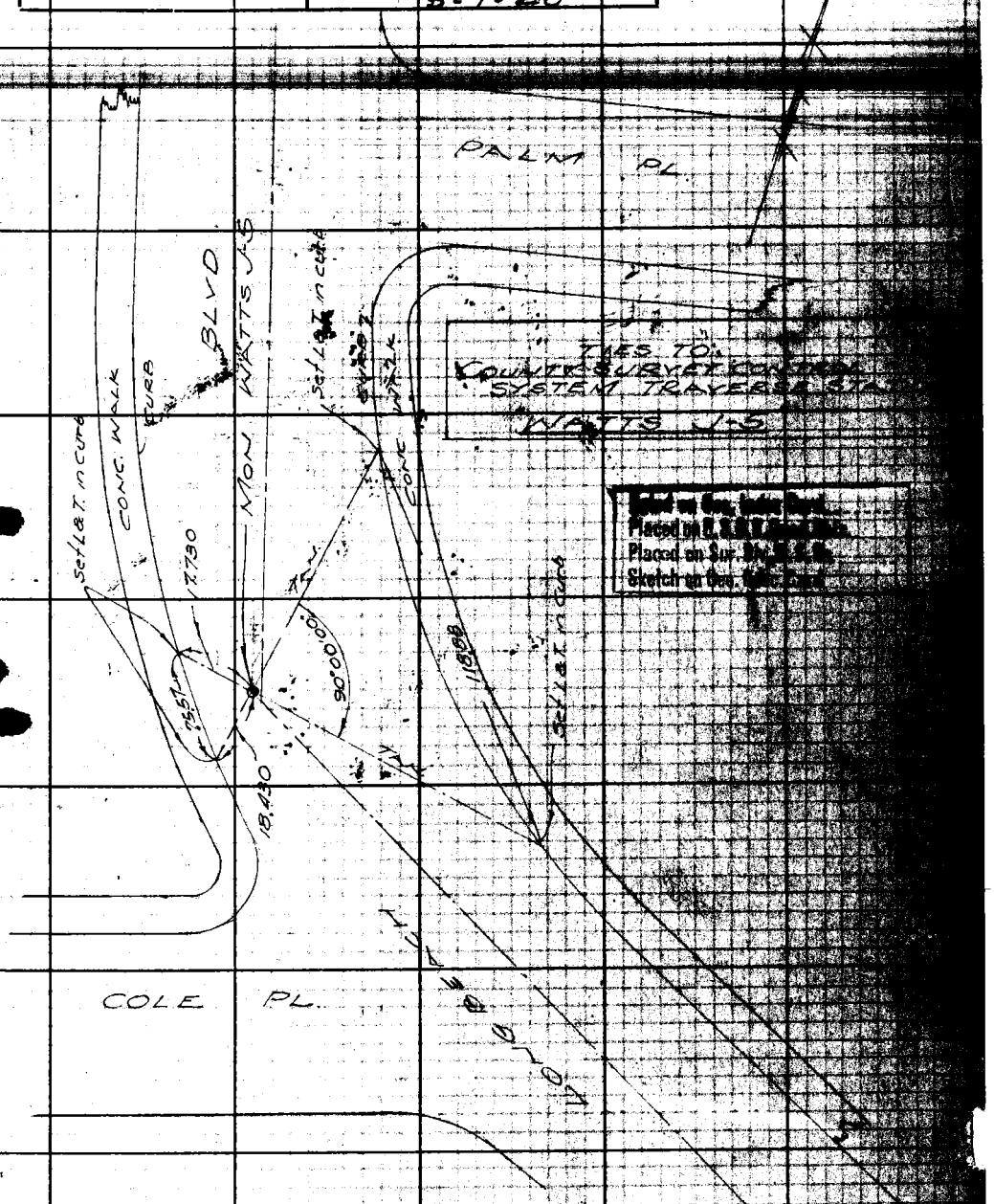
Notes Ck'd by	Survey of GEODETIC CONTROL	F.B. 919 Pg. 13
Map No.	W. O. [illegible] Tape No. St'd. ft	
Office Work	Surveyed by T. WALSH	
Checked	Notes Date 4-30-40	
Date	Indexed A. C. Johnson 5-1-40	

W.S. 7-C-5



So. Cal. Tel. Co is constructing a new underground line on Long Beach Blvd. 12" Tile duct is 4' under and passed under the East edge of Mon. Trench was veared east to miss mon.

RETURN TO
LOS ANGELES COUNTY
700 HALL OF RECORDS
Do not write and 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 Change.
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.

Do not extend notes this side of this line

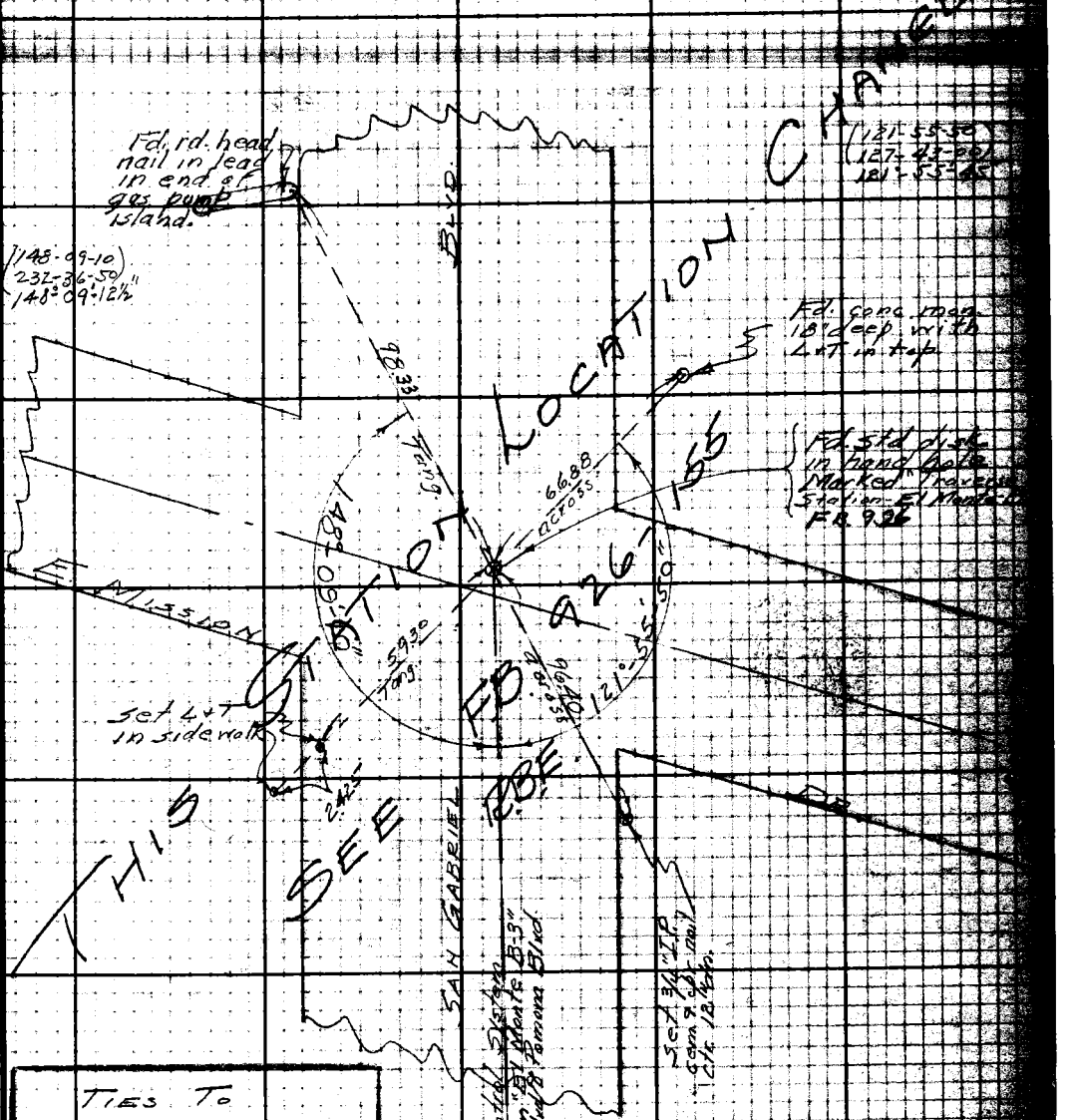
F.B. 919 PG. 14

Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 4900 Tape No. 054 Std 84-F
Office Work	Surveyed by Evans
Checked	Notes IE Date 5/2/40
Date	Indexed A. C. Johnson

F.B. 919 Pg. 15

5-3-40

WS-44-B-5



TIES TO
COUNTY SURVEY CONTROL
MONUMENT "TRAVERSE
STATION-EL MONTE-B2"

Note
This point to be removed by new construction on San Gabriel Blvd.
IE

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. 919 PG. 16

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

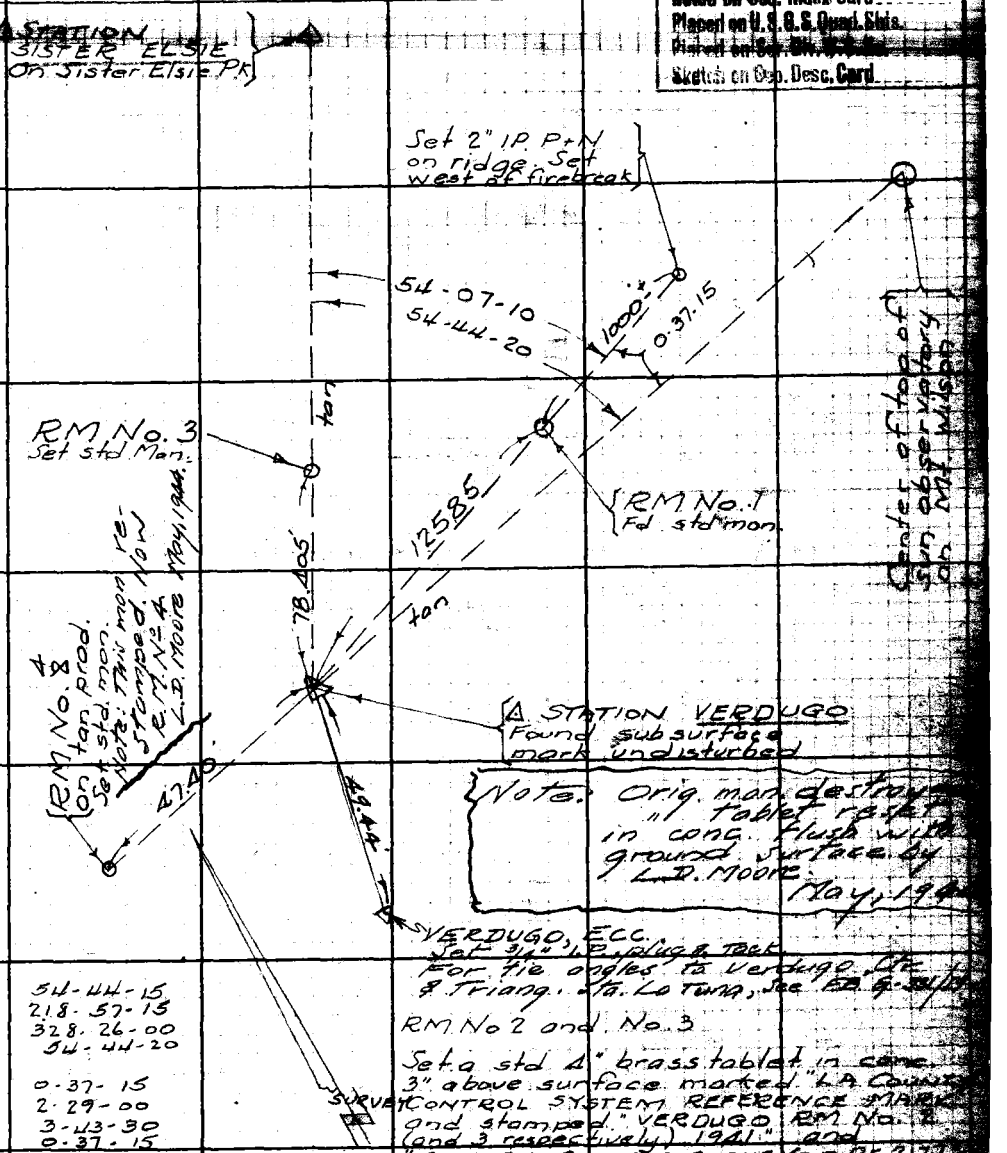
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

WS.52-E-5

Notes Ck'd by	Survey of General Geodetic
Map No.	W. O. 4900 Tape No. 054 St'd 68 °F
Office Work	Surveyed by Emmott
Checked	Notes RBE Date 8/13/41
Date	Indexed 2.19.42

F.B. 919 PG. 17

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



54-44-15
218-57-15
328-26-00
54-44-20

0-37-15
2-29-00
3-43-30
0-37-15

54-07-15
216-28-30
324-43-00
54-07-10

RM No 2 and No. 3

Set a std 4" brass tablet in conc. 3" above surface marked "LA COUNTY CONTROL SYSTEM REFERENCE MARK and stamped "VERDUGO RM No. 2 (and 3 respectively) 1941" and "SET BY COUNTY SURVEYOR RE 2177"

47.395 @ 92° = 47.40'
125.83 @ 96° = 125.85'
78.395 @ 92° = 78.405'

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 12-40

F.B. 919 PG. 18

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.

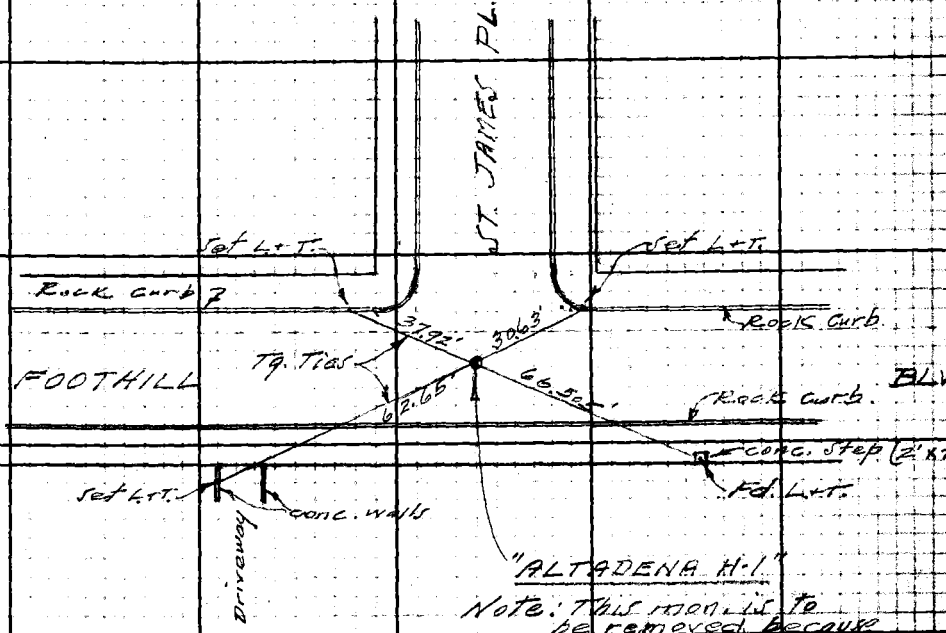
WS 50-C-1

Notes Ck'd by	Survey of Altadena Area
Map No.	W. O. 4902 Tape No. 052 St'd 76°F
Office Work	Surveyed by R.B. Emmott
Checked	Notes G.W.K. Date 2-[illegible]
Date	Indexed 2-10-42

F.B. 919 PG. 19

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

REFFERENCE TIES - TRAV. STA. "ALTADENA H-1"



"ALTADENA H-1"

Note: This mon. is to be removed because of storm-drain construction.

Reestablished date

30.63' @ 66° = 30.63'
62.655' @ 66° = 62.65
66.51' @ " = 66.505
37.92' @ " = 37.92'

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

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.

Note Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by W A Miller
Checked	Notes Miller Date 3-3-1942
Date	Indexed A. C. Johnson 3-16-42

F.B. 919 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.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

MOVING REFERENCE MARK #2
ALHAMBRA H-4
SURVEY CONTROL STATION
HELLMAN AVE + ATLANTIC BLVD
J.N. 4900

Miller
Willey
Waltermire

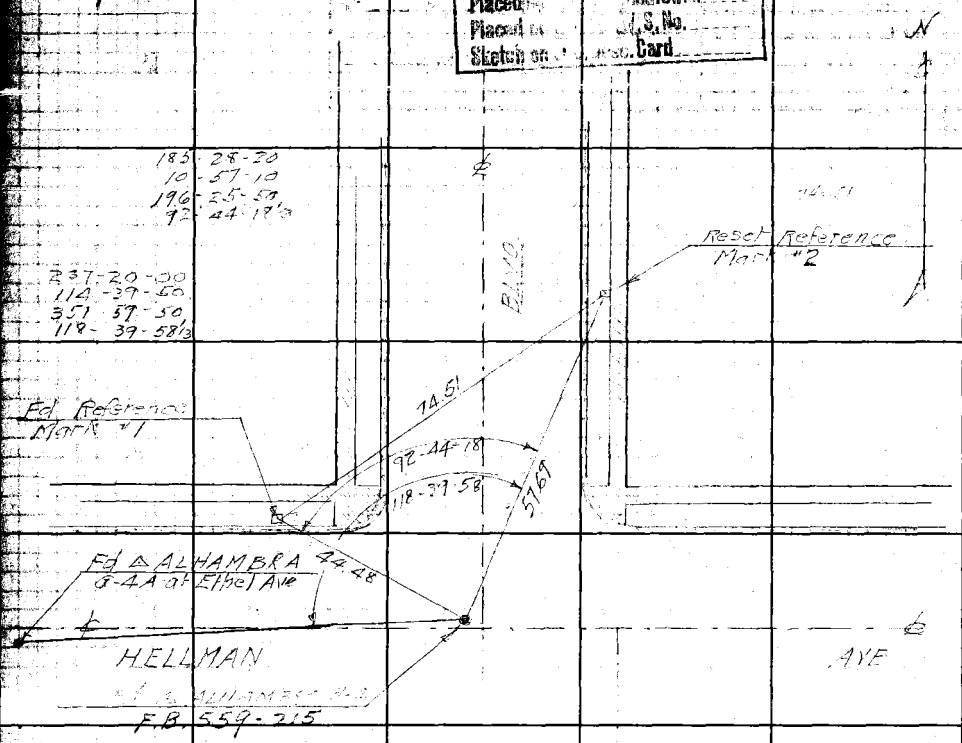
FORM 247 5M 11-41

Card Indexed FJS.

F.B. 919 PG. 22

Noted on Co... Card
Placed ... Sht.
Placed ... S. No.
Sketch on ... Card

WS8-E-6



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 Tie to Sunland G12
Map No.	W. O. Tape No. St'd °F
Office Work	Surveyed by L.A. City
Checked	Notes Harber Date July 1941
Date	Indexed A. C. Johnson 4-2-42

F.B. 919 PG. 23

COHASSET ST (Produced

SAN FERNANDO ROAD
TO
HOLLYWOOD WAY

9-0-21 to SUNLAND G12
TRAVERSE MONUMENT

GE 36503
July 10 - 1941

Copied From
L.A. City Engr
FB 18709-15
By A. C. Johnson
3-17-42

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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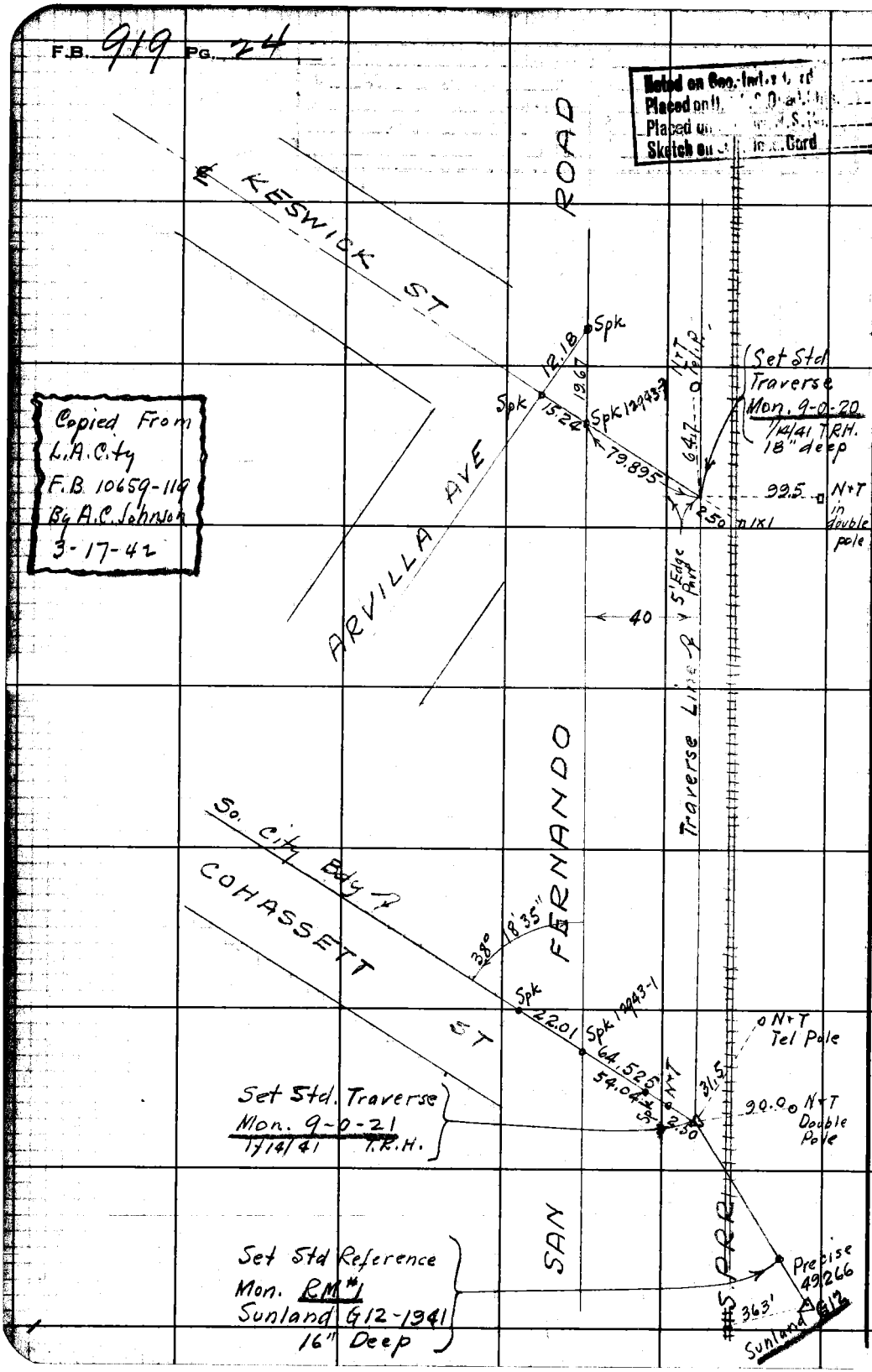
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 BM 11-41

F.B. 919 PG. 24

Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Map
Placed on [illegible] M.S. Map
Sketch on [illegible] Card

WS 52-A-5+6



Copied From
L.A. City
F.B. 10659-119
By A.C. Johnson
3-17-42

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.

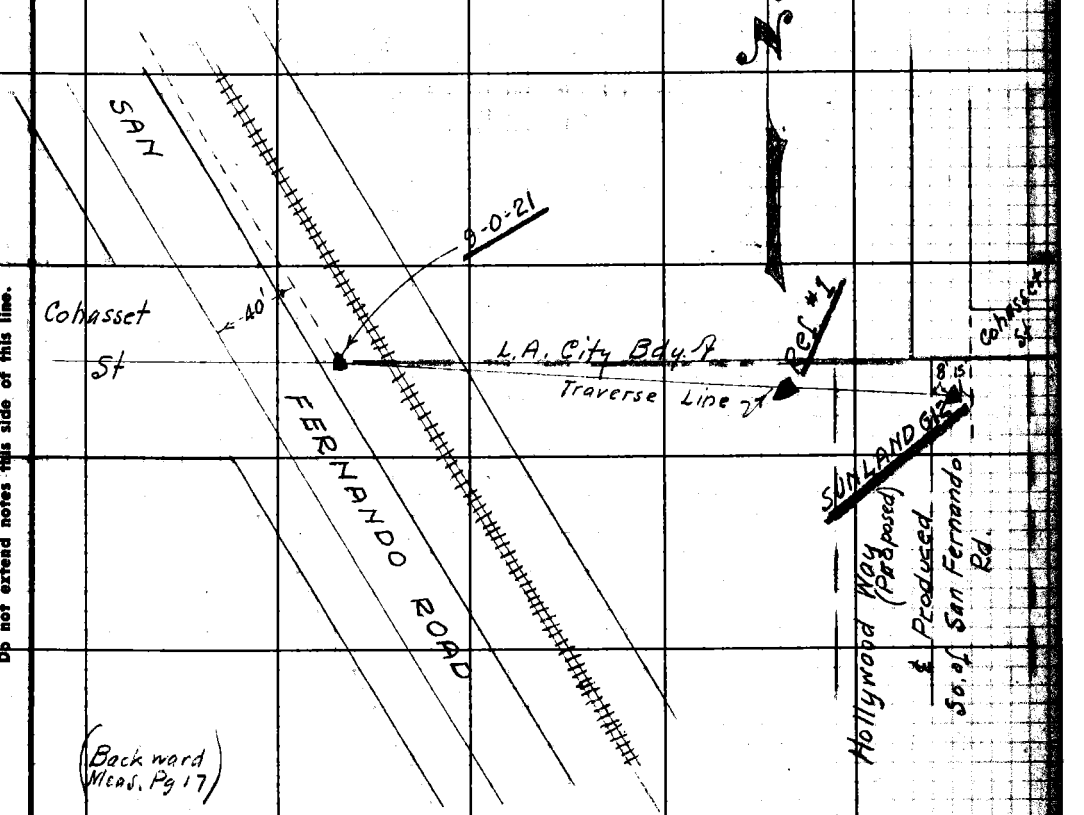
WS.52-B-6

Notes Ck'd by	Survey of Tie to Sunland G12
Map No.	W. O. Tape No. St'd °F
Office Work	Surveyed by L.A. City
Checked	Notes Harber Date July 10-1941
Date	Indexed A. C. Johns

F.B. 919 PG. 25

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

Copied From L.A. City FB 18709 - 15 By A. C. Johns



(Backward Meas. Pg 17)

Tape # 5176 = 49.99932 @ 20° W.C.S.

3 x 49.99932	=	149.99796
25 M	=	24.99984
		174.99780
1 SB pg 17 = 02470		.02470
		174.97310
Av. Temp 32.5° .00071		
25M @ 33° = 00012		00083
00083		
		174.97227
		6.73192
		181.70419
		.00810
		181.69609

Coeff 00019

Std St 6.7309
00102
6.73192

Mean F+B. 181.69585

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 10-41

F.B. 919 PG. 26

L.A. City FB 18709-15

Forward meas. pg 16

Tape #5175 = 49.99906 @ 20° C. Ctr. Support

3 × 49.99906 = 149.99718

25M = 24.99956

174.99674

Av. Temp 32.3° = .00066

25M @ 32.5° = .00011

.00077 Coeff .00018

00077

174.99597

Steel SV 6.7067

Temp 33.5° + .00105

6.70775

+ 6.70775

181.70372

.00810 Slope Corr

181.69562

L.A. City F.B. 18709-17

Dist. between Sunland G12 and RM #1

	Std. Elev.	Dist.	Slope	Tape Std.	Temp
Sunland G12	726.25				
RM #1	726.56	0.31	.03	15.0 Lbs	32°

15M = 15.0006 @ 32°

.0160

15.0166 − 0.0003 (Slope Corr)

= 15.0163

= 49.266'

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line.
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Notes Ck'd by	Survey of
Map No.	W. O. 7000 Tape No. St'd °F
Office Work	Surveyed by W.A.M.
Checked	Notes Mill Date 9-11-42
Date	Indexed L. C. Johnson

9-18-42

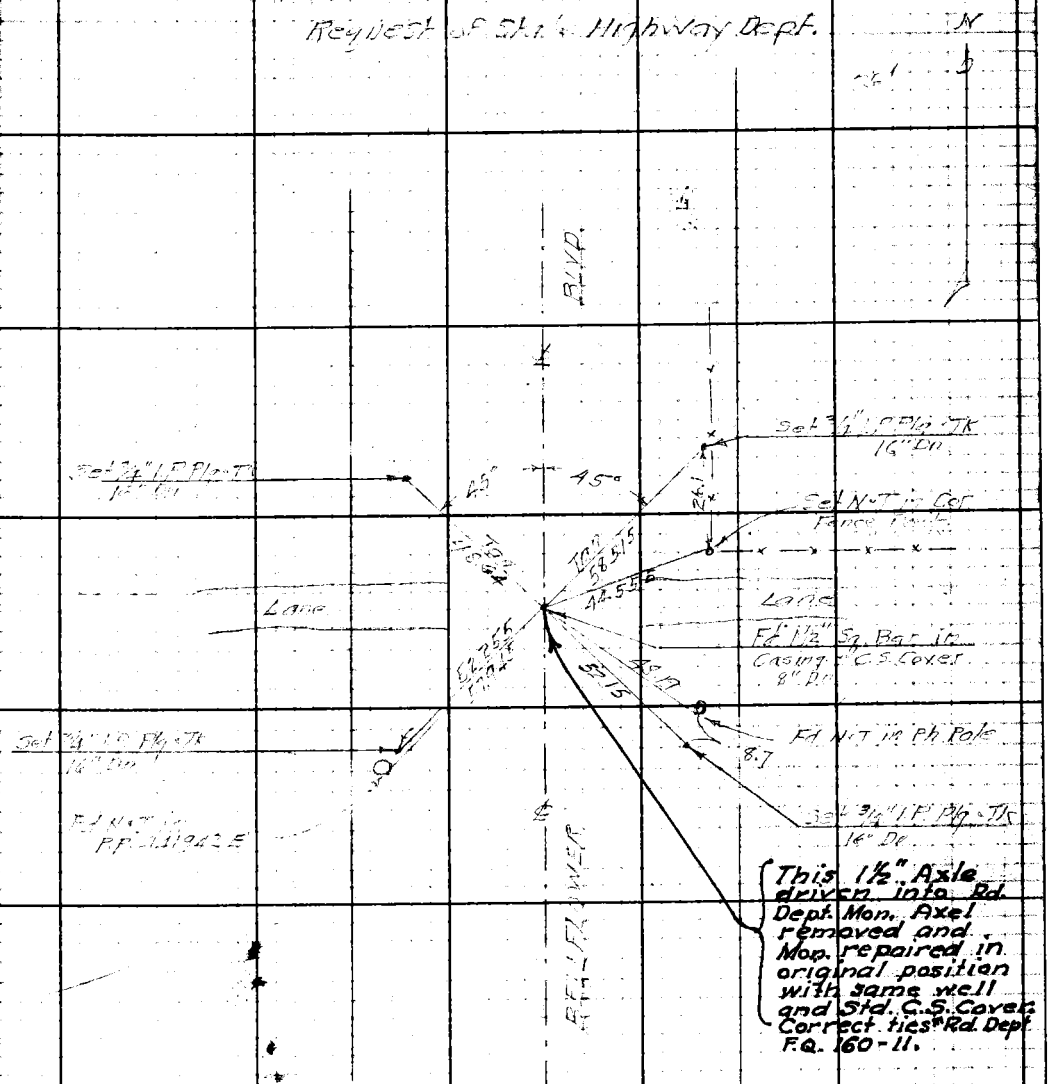
F.B. 919 PG. 27

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

WS.31-B-2

TIES FOR POINT 1/2 MILE S. OF CARSON ST.

Request of Sta. Highway Dept.



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

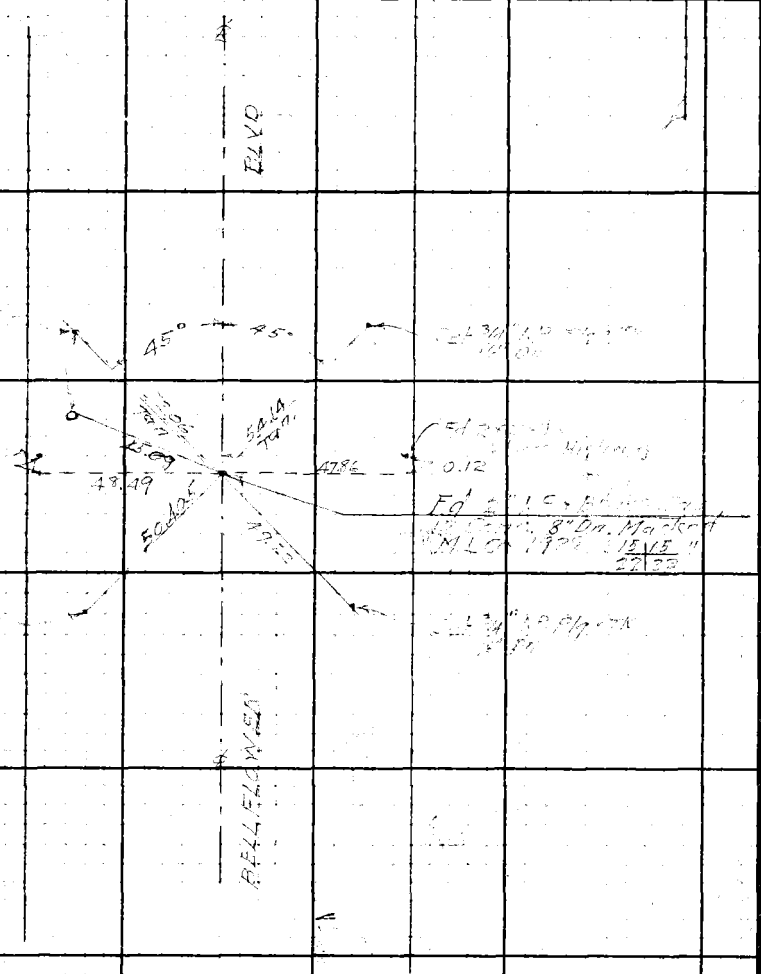
FORM 247 5M 10-39

F.B. 919 PG. 28

TIES FOR POINT 1/2 MILE N. OF SPRING ST
Request of State Highway Dept.

W5.31-B-3

15 W
23 N



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

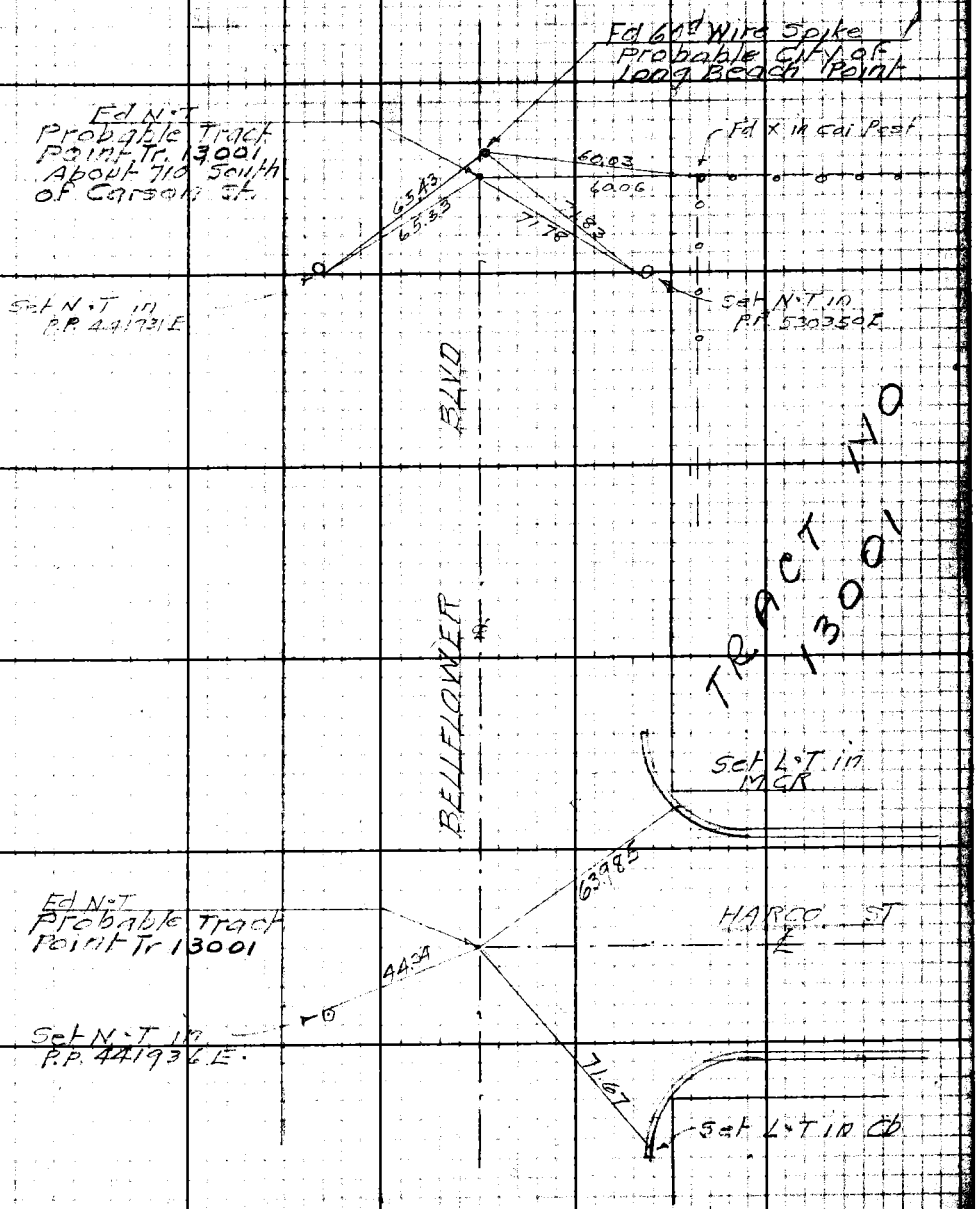
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

WS. 31-B-2

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. [illegible] Tape No. St'd of
Office Work	Surveyed by W.A. Miller
Checked	Notes Miller Date 9-17-1942
Date	Indexed A. C. Johnson

F.B. 919 PG. 29

TIES FOR POINTS IN BELLFLOWER BLVD



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

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

FORM 247 5M 11-41

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.

B 119 PG 10

FORM 307 5M 7-43

PLEASE 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

STATION	B. S.	H. I.	F. S.	ELEV.		
NEW LOCATION U.S. COAST AND GEODETIC REFERENCE MONUMENT SUR # 2						
Monument moved, as it was in the way when road was made wider.						
Ref. Mon. # 2	4.428	104.428		100.000	Assumed old location.	
T.P. # 1			4.784	99.644		
Ref. Mon # 2	4.293	104.293		100.000	old location.	
T.P. # 2			4.628	99.665		
T.P. # 1	4.550	104.194		99.644		Monument in new location is 0.465' lower than in old position.
Ref. Mon # 2			4.658	99.536	new location	
T.P. # 2	4.485	104.150		99.665		
Ref. Mon # 2			4.615	99.535	new location	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8065 Division No. ____ F.B. 914 PG. 37
Date ____ Date ____ Survey of Johnson Rd
X-Sec. No. ____ Cross Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson [illegible]

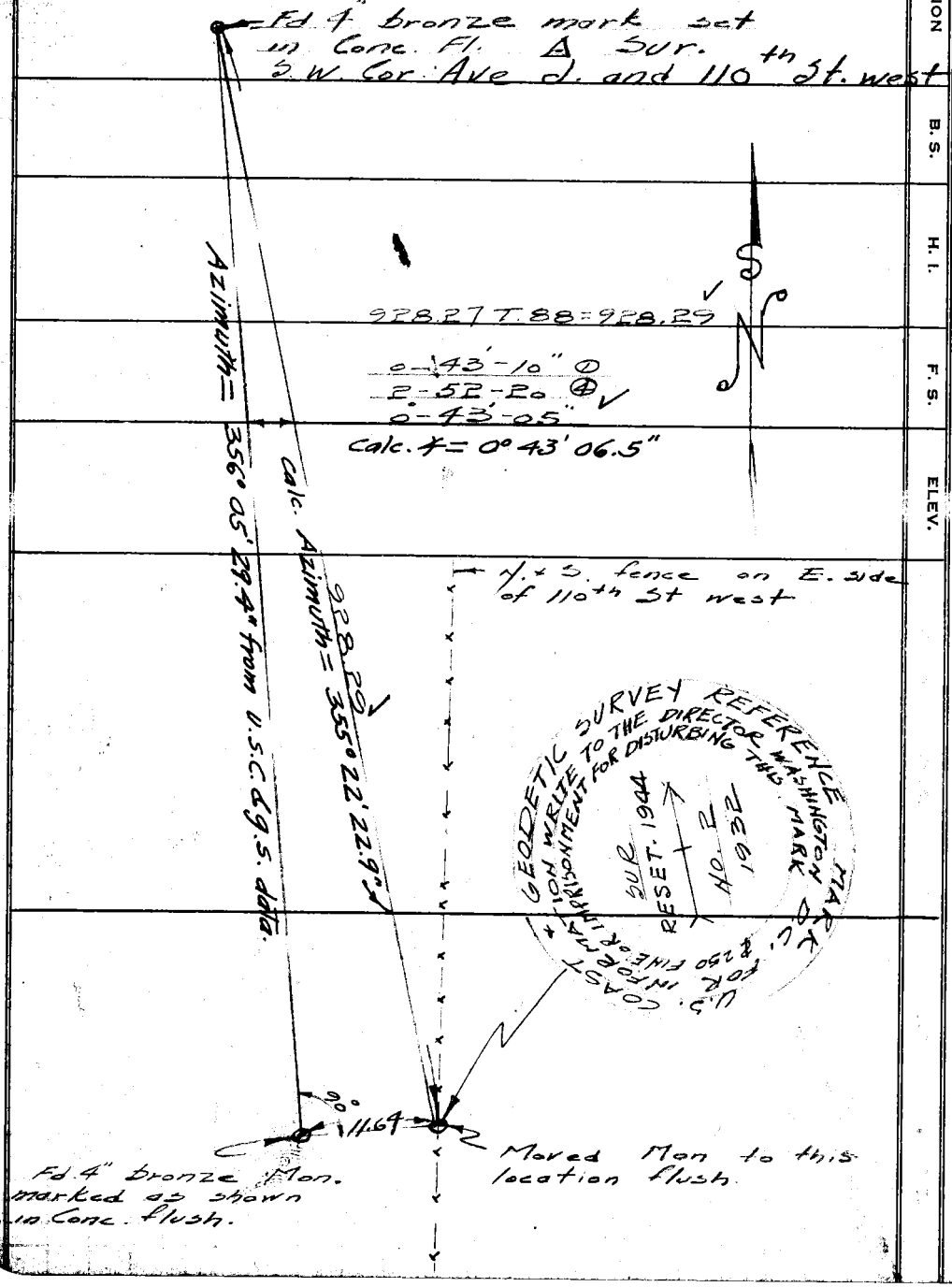
Job No. [illegible] Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of Johnson Rd Date _____ Date _____ No. _____

Survey by Lesecrans Notes R Notes Chkd. KRM Checked _____ X-Sec.

Indexed A. C. Johnson Date 5-17-44 Date 6-12-44 Date _____ No. _____

Sketch made for report to U.S.C.&G.S. by McPherson 6-12-1944.



STATION | B.S. | H.I. | F.S. | ELEV.

WS 69-B-5

FORM 307 5M 7-43

PLEASE 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

WS 27-B-5

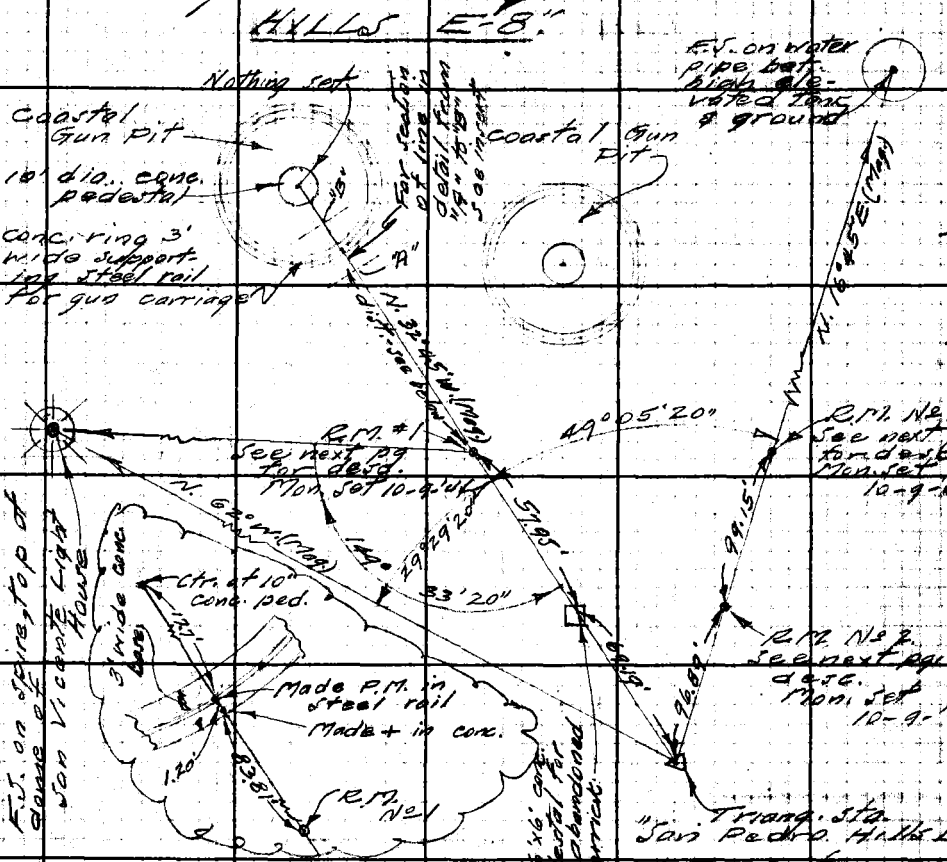
Notes Ck'd by	Survey of Geod. Cont. Sta.
Map No.	W. O. 4900 Tape No. 077 Std 68°F
Office Work	Surveyed by G.W. Kleinsack
Checked	Notes Gulk Date 10-9-44
Date	Indexed 10-10-44

F.B. 919 Pg. 33

Note: See pg. 34

REFERENCE DIAG.

Triangulation Station: "SAN PEDRO HILLS E-8."



Note: Surface mon. destroyed. Sub mon. fd. A punched spk. in a 4x4 post was set for temporary station mark. 10-9-'44

69.19' @ 68° = same.
57.95' @ " = "
83.81' @ " = "
96.89' @ " = "
99.15 @ " = "

① 29°29'00"	① 49°04'30"	① 149-33-30
④ 117°57'30"	④ 196-21-15	④ 238-13-30
⑥ 176°56-00"	⑥ 294-32-00	⑥ 177-20-00
29°29'20"	49-05-20	149-33-20

NOTE: For orig. sketch of this sta. see F.B. 625-113.

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 3M 12-40

F.B. 919 PG. 34

~DESCRIPTIONS~

R.M.'s Nos 1, 2 + 3.

Set a std. C.S. brass cap pre-cast monument in each case, flush, and marked: "COUNTY SURVEYOR - R.E. 2177". Also stamped: "S.P. Hills E-8, R.M. No 1, No 2 & No 3, respectively.

Note: Triang. Sta. "S.P. Hills E-8" and R.M.'s destroyed or badly shaken up by blasting and quarrying operations during the autumn of 1944.

G.W. Kleineck

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.
Map No.	W. O. 4900 Tape No. 077 Std 68°F
Office Work	Surveyed by G. Kleineck
Checked	Notes GWK Date 7-25-44
Date	Indexed [illegible]

F.B. 919 Pg. 39

POSITION CHECK UP FOR TRIANGULATION STATIONS, DAWSON-CTR. & DAWSON-AUX., USING LOCAL REFERENCE MARKS & ETC.

7-25-1944

G. Kleineck
M.A. Van Deren
J.W.S. Moore
F. Doak
J. Stimson

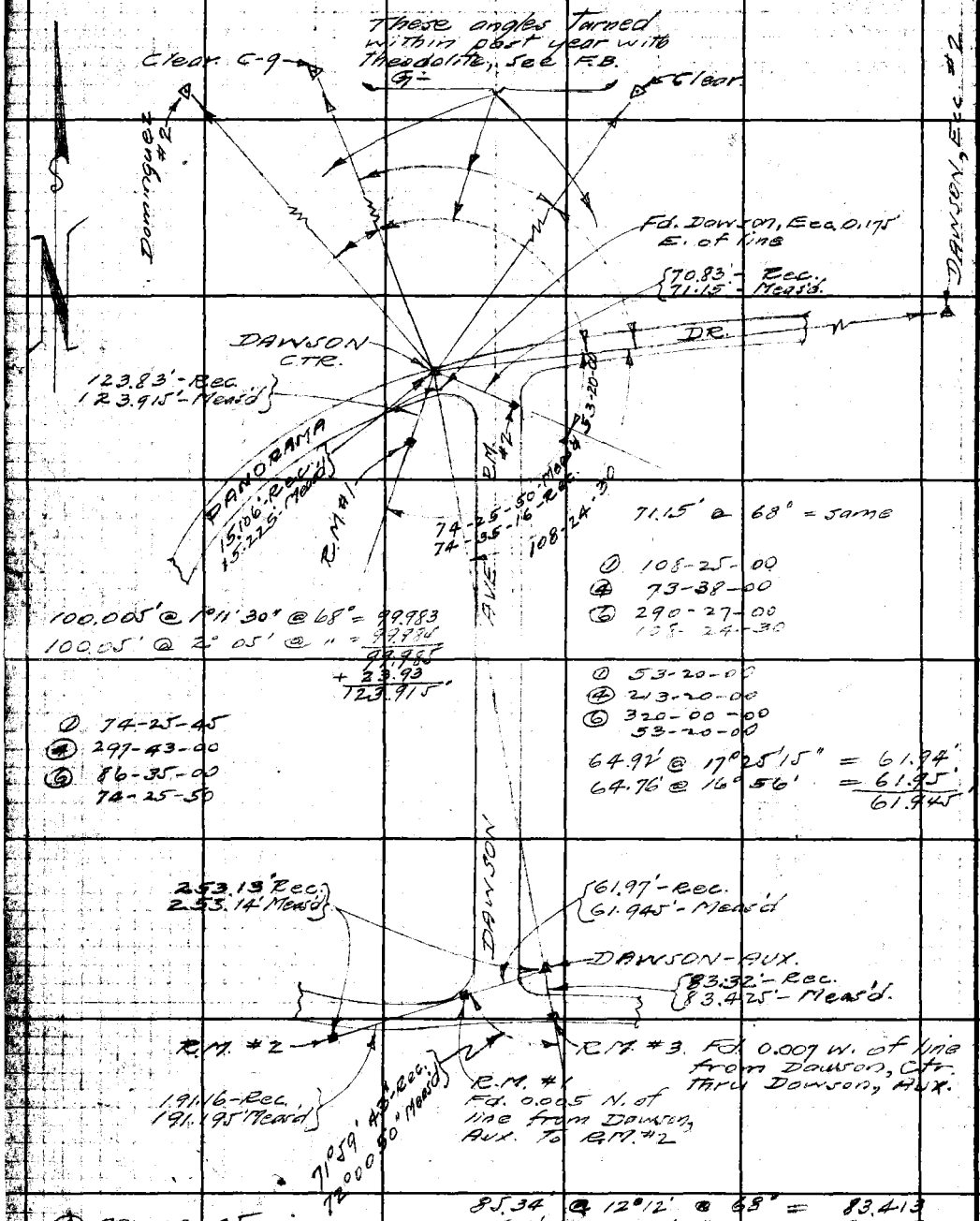
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 12-10

F.B. 919 PG. 40



71.15' @ 68° = same

① 108-25-00
④ 73-38-00
⑥ 290-27-00
108-24-30

100.005' @ 1°11'30" @ 68° = 99.983
100.05' @ 2° 05' @ " = 99.985
99.985
+ 23.93
123.915'

① 53-20-00
④ 213-20-00
⑥ 320-00-00
53-20-00

① 74-25-45
④ 297-43-00
⑥ 86-35-00
74-25-50

64.92' @ 17°25'15" = 61.94'
64.76' @ 16°56' = 61.95'
61.945'

① 72-00-45
④ 288-03-00
⑥ 72-05-00
72-00-50

85.34' @ 12°12' @ 68° = 83.413
85.06' @ 11° 13'30" @ " = 83.433
84.895' @ 10° 41' @ " = 83.425
3)250.271
83.425

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.
Map No.	W. O. [illegible] Tape No. 077 Std 68 °F
Office Work	Surveyed by F. Hleinek
Checked	Notes G.W.K. Date 7-24-44
Date	Indexed A. C. Johnson

F.B. 919 Pg. 44

DISTANCE & AZIMUTH CHECK

From

N.W. BASE, AUX. TO N.W. BASE, CTR.

7-24-44

Hleinek
Van Deron
Moore
Doak
Stimson

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

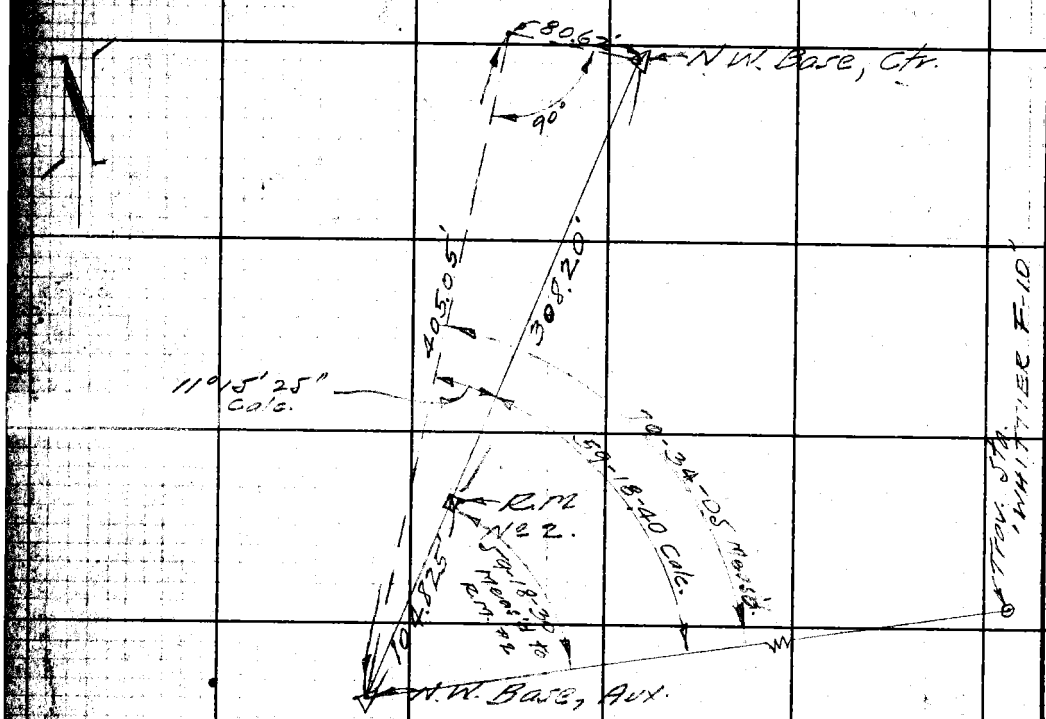
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 SM 12-62

WS 33-D-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.



100.46'
4.36
104.82 @ 76° = 104.825'

100.300
54.730
100.060
53.095

308.185 @ 76° = 308.20

① 70-34-00
④ 282-16-15
⑥ 63-24-15
~~70-34-02½~~ 05

100.875 @ 80°
100.550 @ "
100.620 @ "
56.680 @ "
46.295 @ "
405.02 @ 80 = 405.05'

80.615' @ 80° = 80.62'

① 59-18-30
④ 237-14-00
⑥ 355-51-00
59-18-30

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

F.B.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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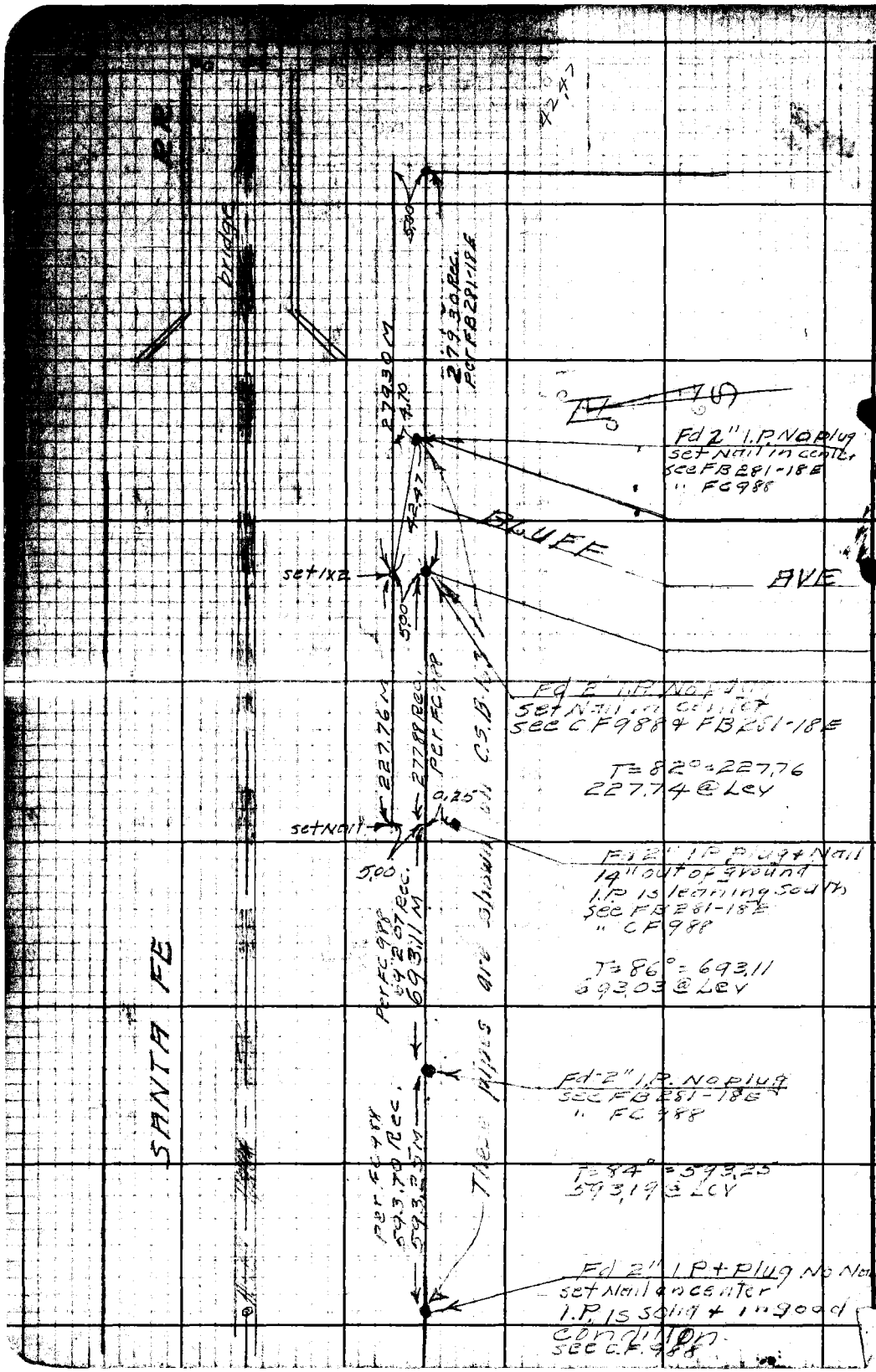
Do not extend notes this side of this line.



[redacted]

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[redacted] extend notes this side of this line.