Notes Ck'd by	Survey of	F.B. 2926 Pg.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

Page	Job	Description
		SEVENTH STREET (SUNSET AVE) 0095.32
5-29	Loc. Imp.	Along 7th Ave. from Orange Grove Ave north to Valley Blvd.
30-48	Loc. Imp.	Along Sunset Ave. from Valley Blvd. north to Farlington St.
49-70	Loc. Imp.	Along Sunset Ave. from Farlington St. N'ly to Puente Ave.
		SEVENTH AVE. EXTENSION 0095.58
75-120	Photo check	Photogrammetry check from Turnbull Cn. Rd. @ E. Bdry. Whittier, N.E. to Orange G ove & 7th Ave.

Microfilmed June 85

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76P309S CE #310 5-66

Notes Ck'd by	Survey of 7 th AVE
Map No. B-2791-1	JN 0095.32 Tape Std °F
Office Work M. HAMASU	Surveyed by D. E. HOLMES
Checked	Notes M. A. Wolsey Date 5-12-61
Date	Indexed H. E. OTT JUL 7 '61

F. B. 2926 PG. 5

J.N 0095.32

7TH AVE & SUNSET AVE.

LOC. OF IMPROVEMENTS

FROM ORANGE GROVE AVE

NORTH

SEE F.B. 2395 for ℄ survey.

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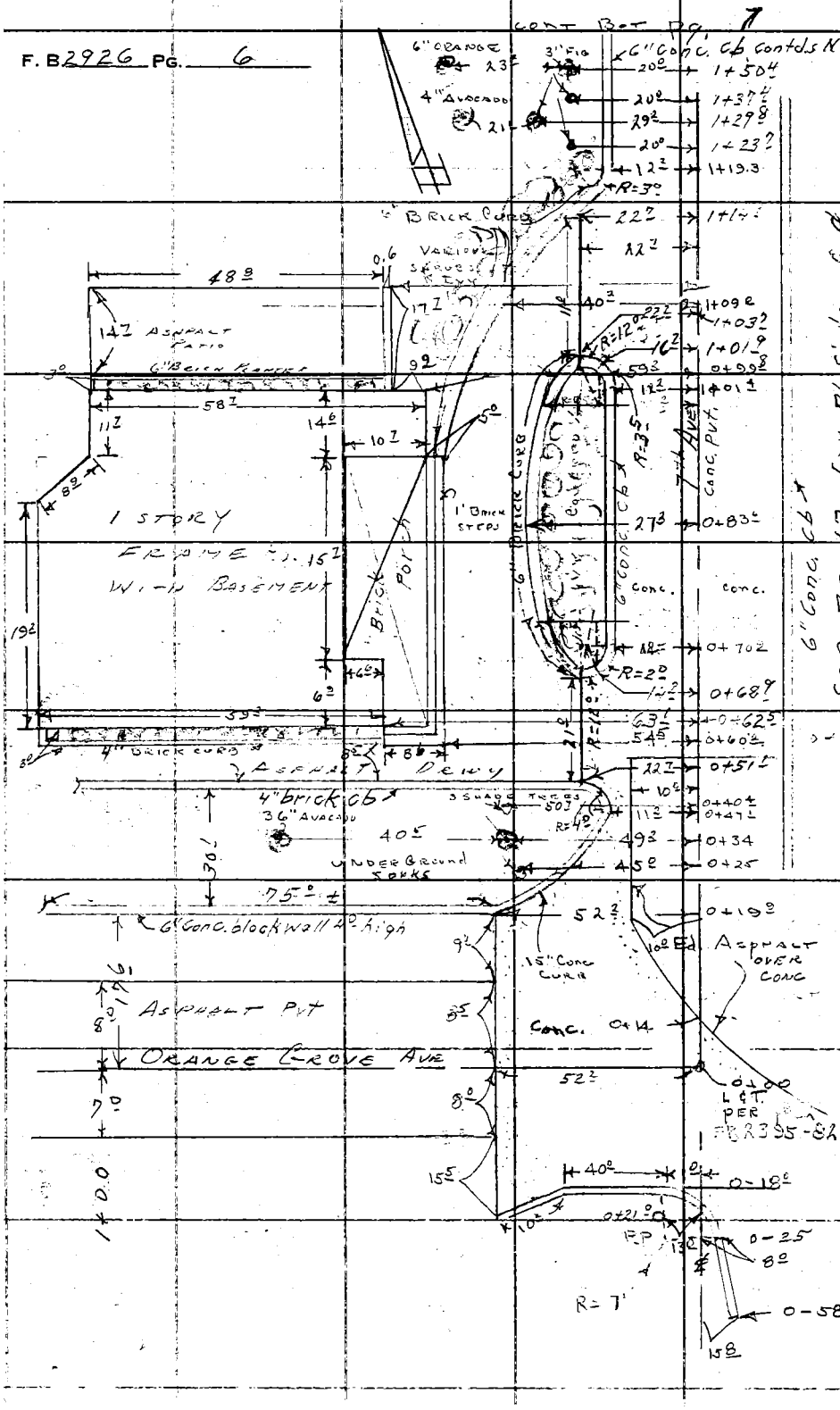
F. B 2926 PG. 6



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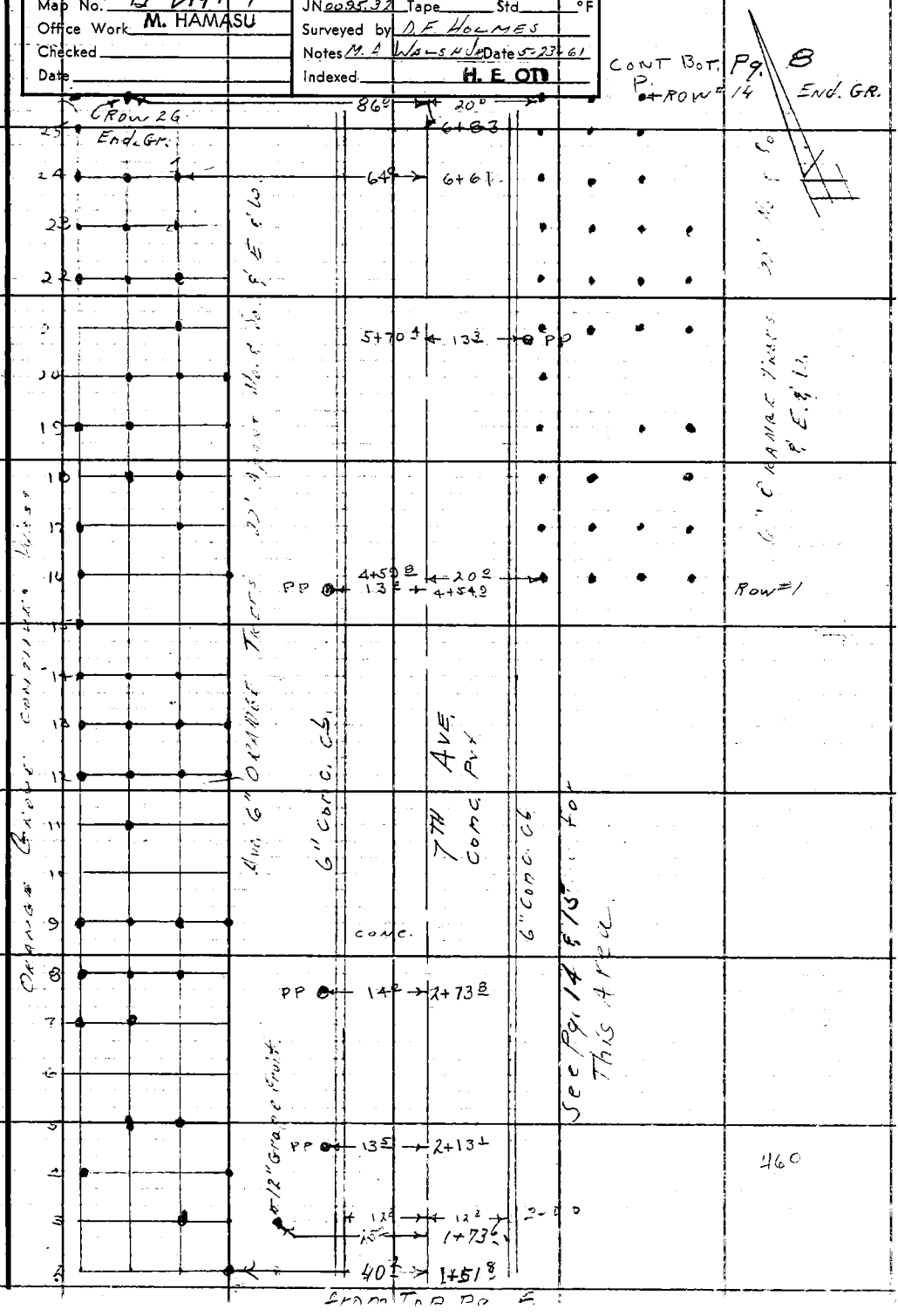
Notes Ck'd by
Map No. B-2791-1
Office Work M. HAMASU
Checked
Date

Survey of 7th Ave.
JN 0095.32 Tape Std °F
Surveyed by D.F. Holmes
Notes M.A. Walsh Jr. Date 5-23-61
Indexed H. E. OTI

F. B. 2926 Pg. 7



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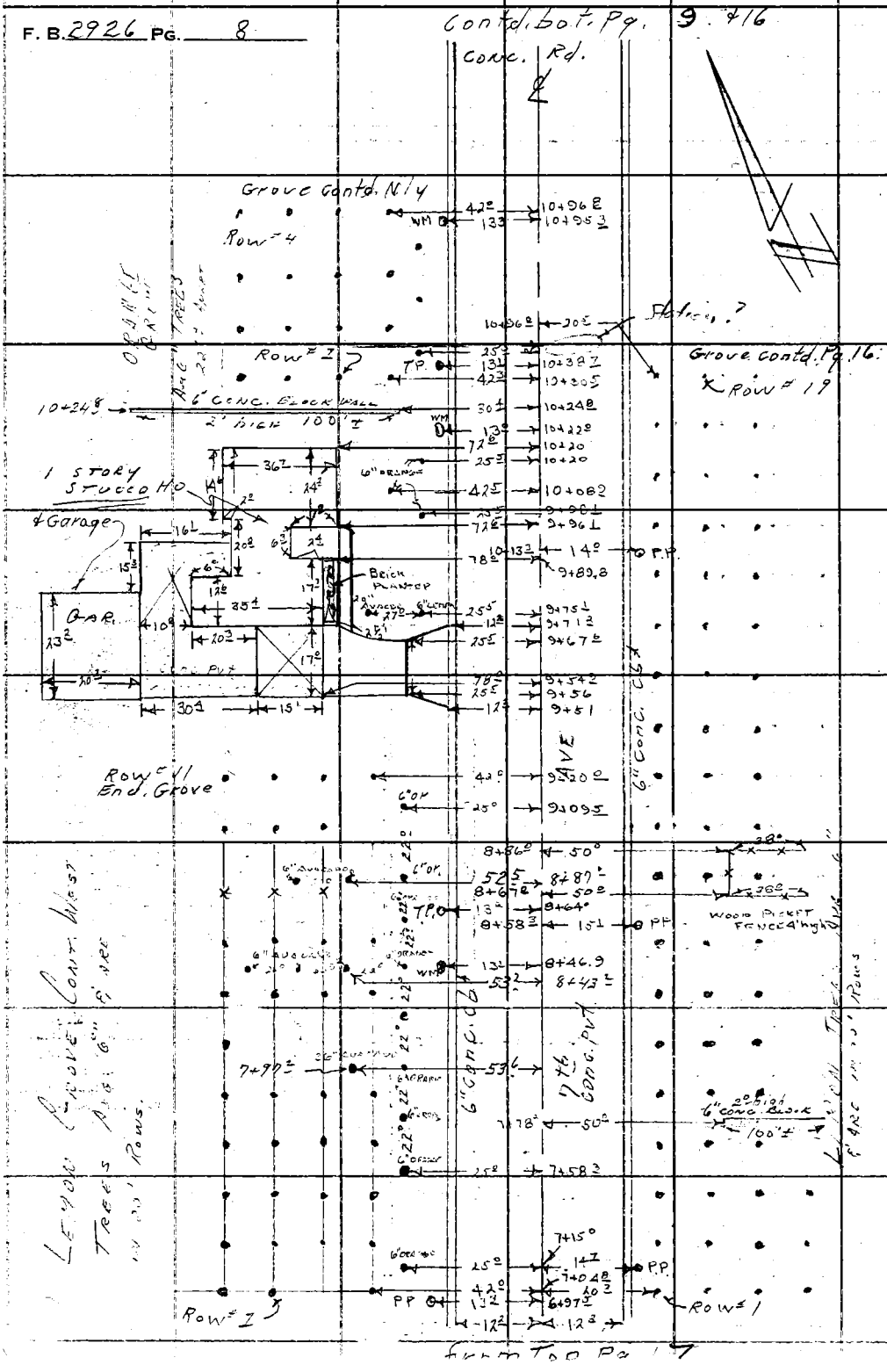
F. B. 2926 PG. 8



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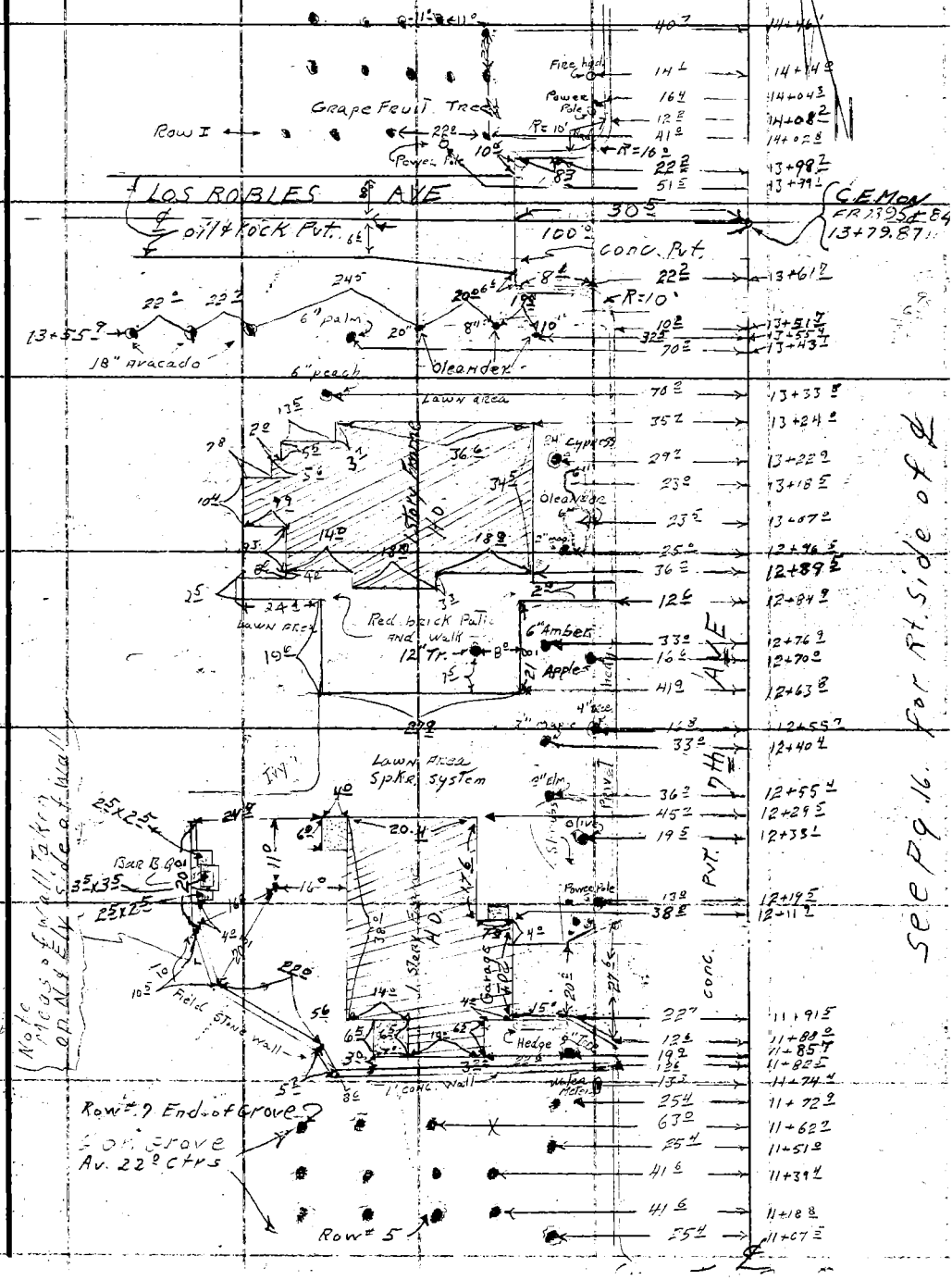
Notes Ck'd by	Survey of SEVENTH AVE.
Map No. B-2791-1	JN 00953 Tape Std °F
Office Work M. HAMASU	Surveyed by D.E. Holmes
Checked	Notes D.L. BROWN Date 5-23-61
Date	Indexed S. E. ON

F. B. 2926 PG. 9

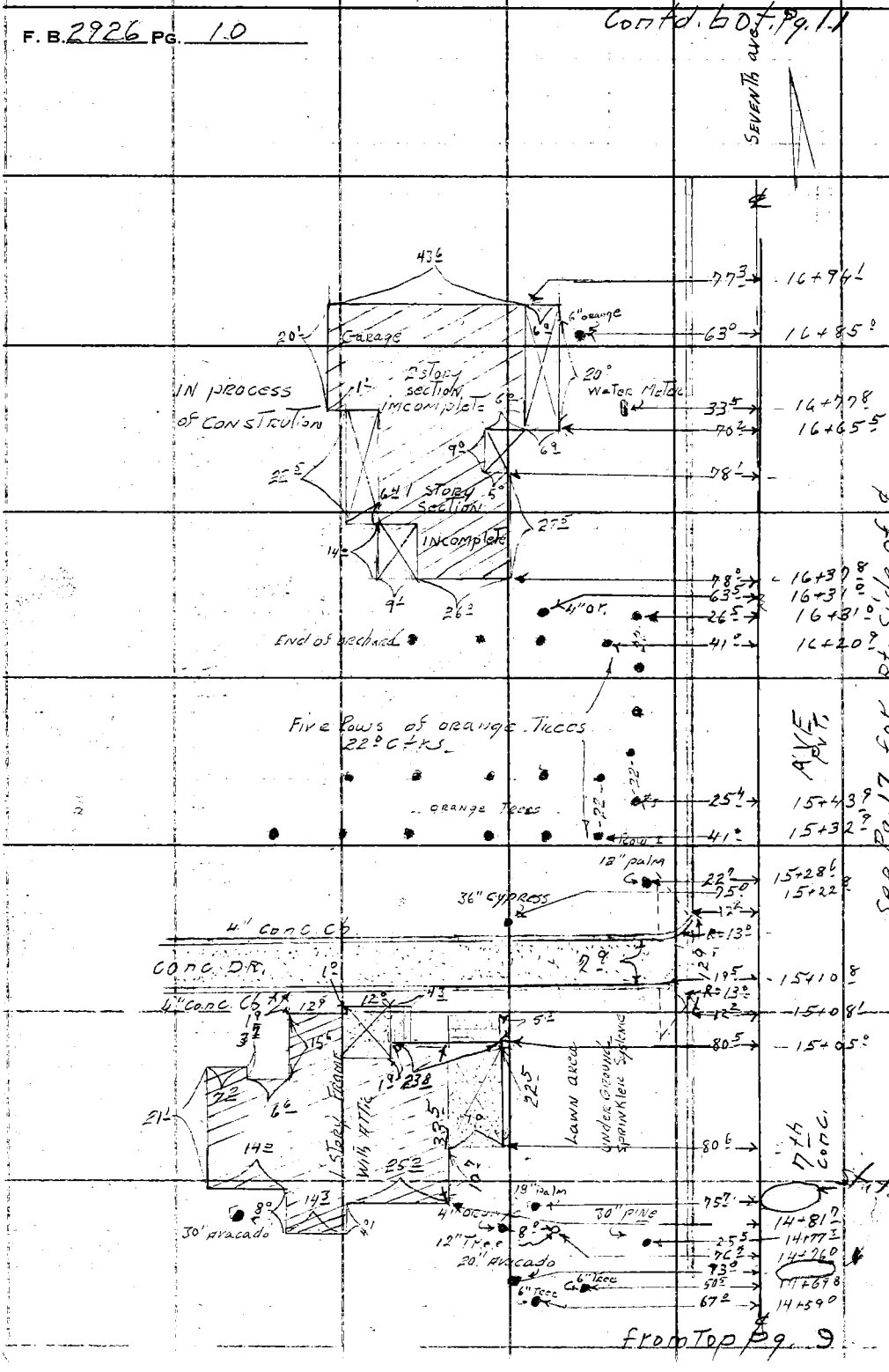
Contd. bot. Pg. 10



See Pg. 16. for Rt. side of ℄

F. B. 2926 PG. 10

Contd. bot. Pg. 11



from Top Pg. 9

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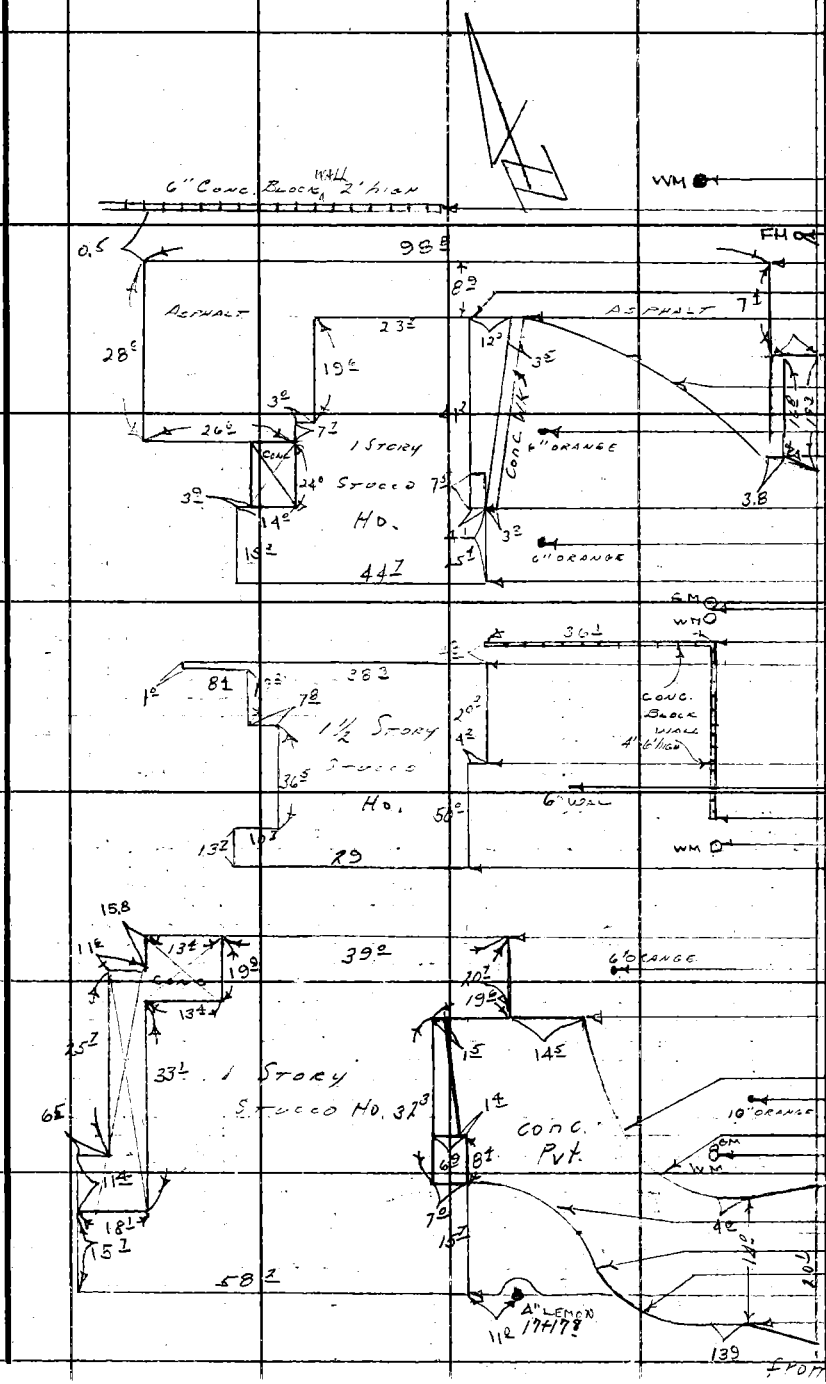
Notes Ck'd by	Survey of 7TH AVE
Map No. B-2791-1	JN 00 95.32 Tape Std °F
Office Work M. HAMASU	Surveyed by D. F. HOLMES
Checked	Notes M. A. WOLSHOR Date 5-24-61
Date	Indexed H. E. OTT

F. B. 2926 PG. 11

Con - Bot. Pg. 12



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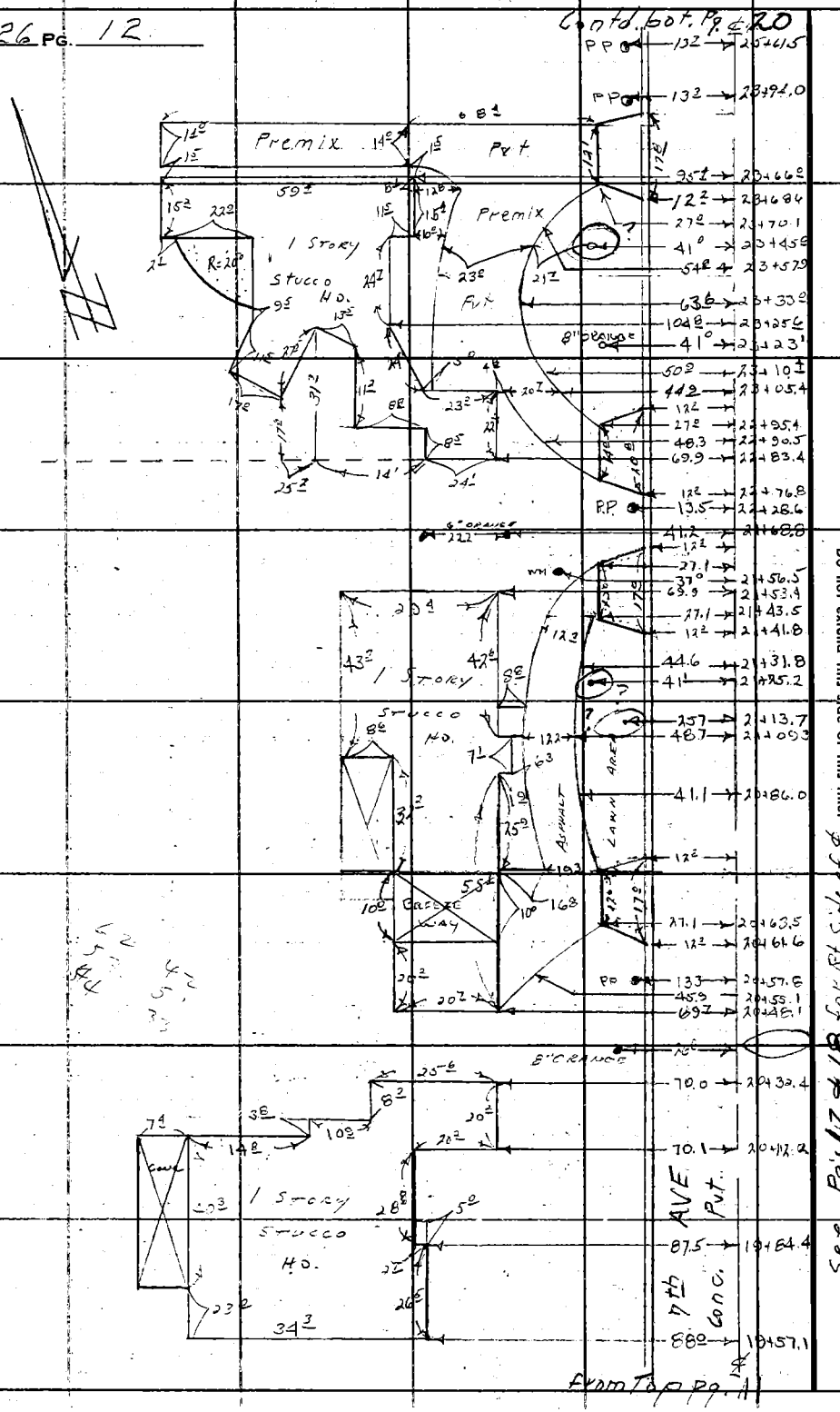
76F3099 S&E #247 11-58

F. B. 2926 PG. 12

Contd. bot. Pg. 20



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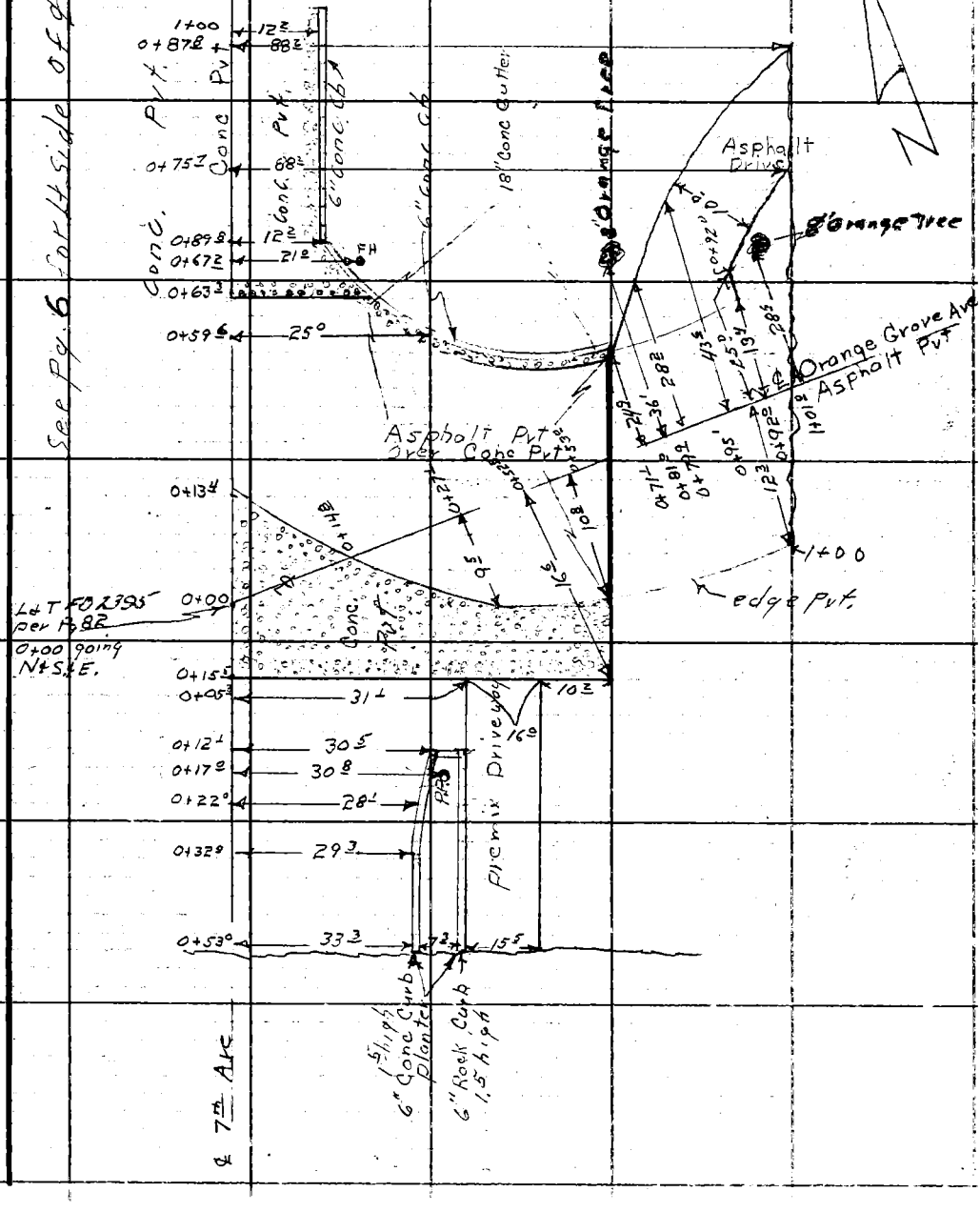
See Pg's 17 & 18

From Top Pg. 1

Notes Ck'd by	Survey of 7th Ave
Map No. B-2791-1	JN 0095.32 Tape Std °F
Office Work M. HAMASU	Surveyed by D. E. Holmes
Checked	Notes Henderson Date 5-12-61
Date	Indexed H. E. OTT

F. B. 2926 PG. 13

Contd. bot Pg 14



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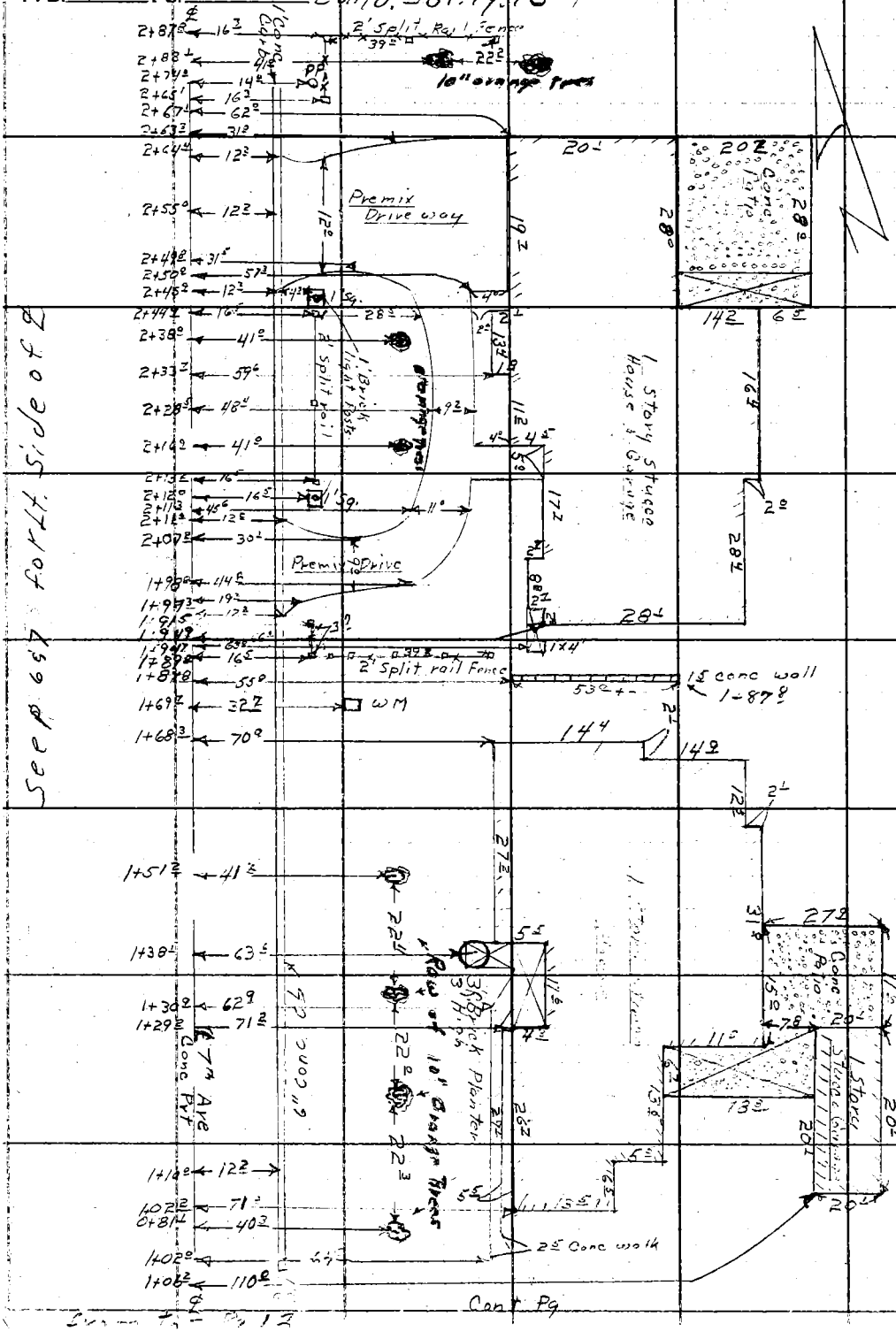
76F309S S&E #247 11-58

F. B. 2926 PG. 14 contd. bot. Pg. 15



Seep 6&7 for Lt. Side of ℄

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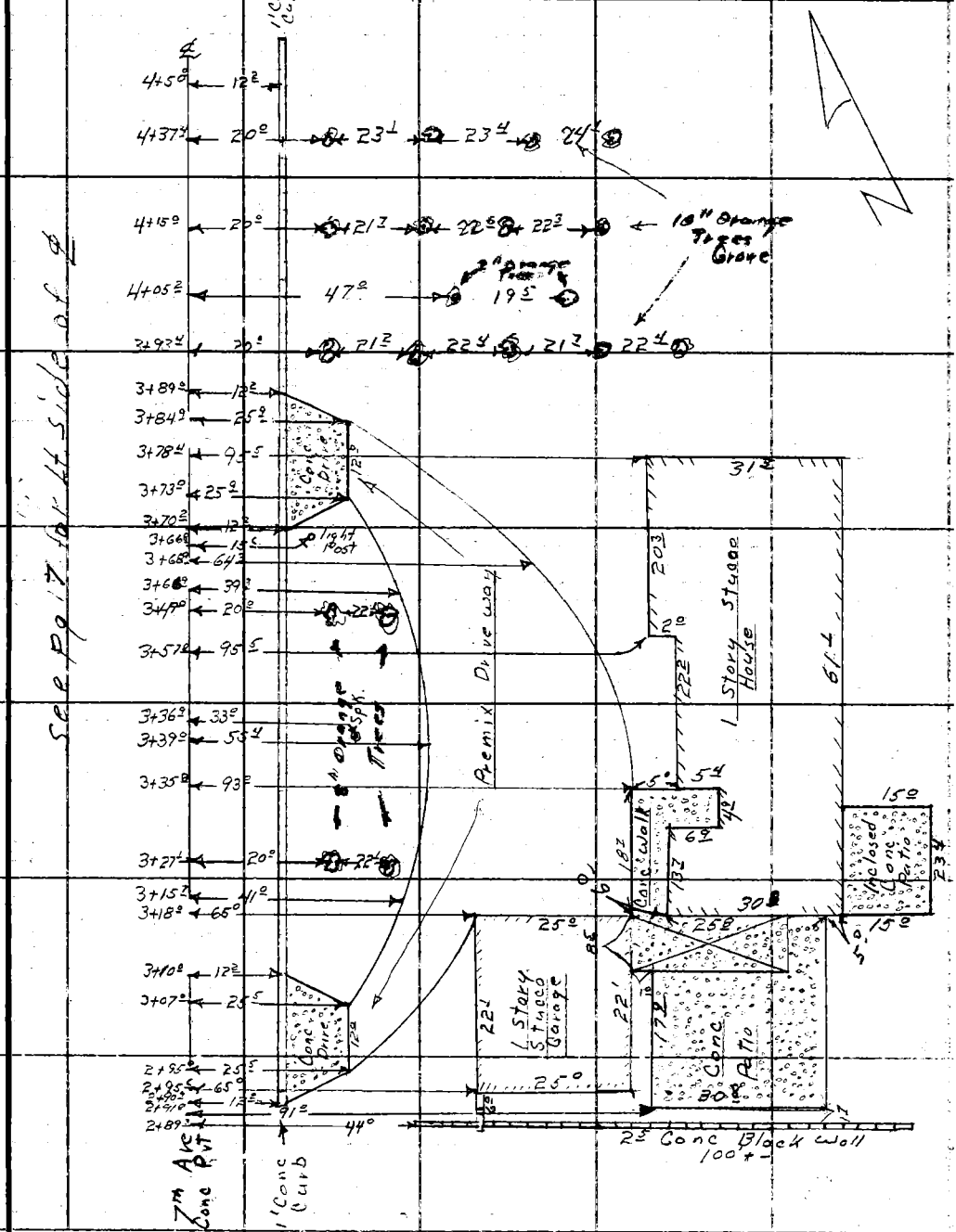
Notes Ck'd by	Survey of 7th Ave
Map No. B-2791-1	JN 0095.33 Tape Std °F
Office Work M. HAMASU	Surveyed by D.E. Holmes
Checked	Notes Henderson Date 5-22-61
Date	Indexed B.E. Ott

F. B. 2926 PG. 15

Contd. bot Pg. 162



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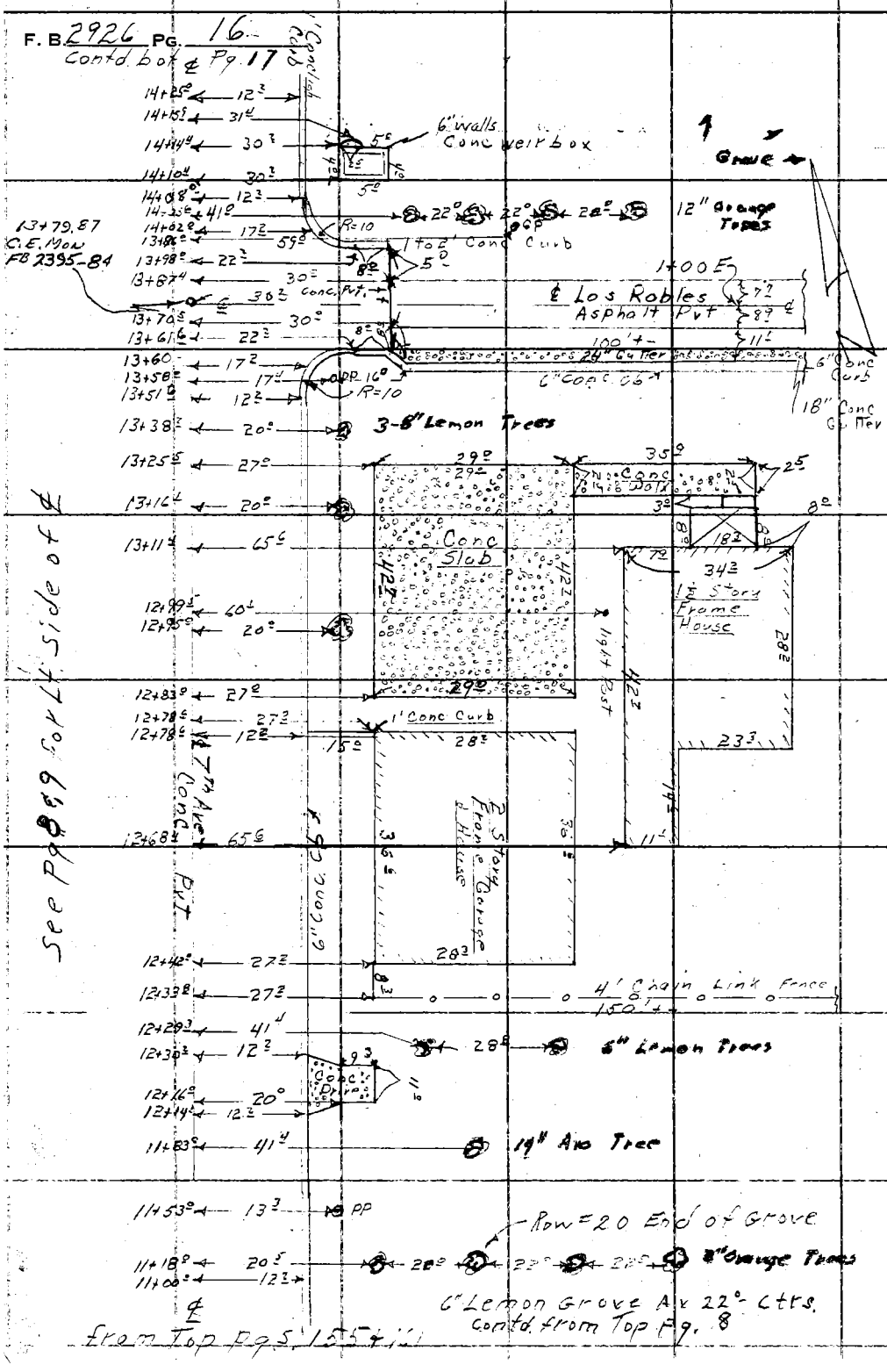

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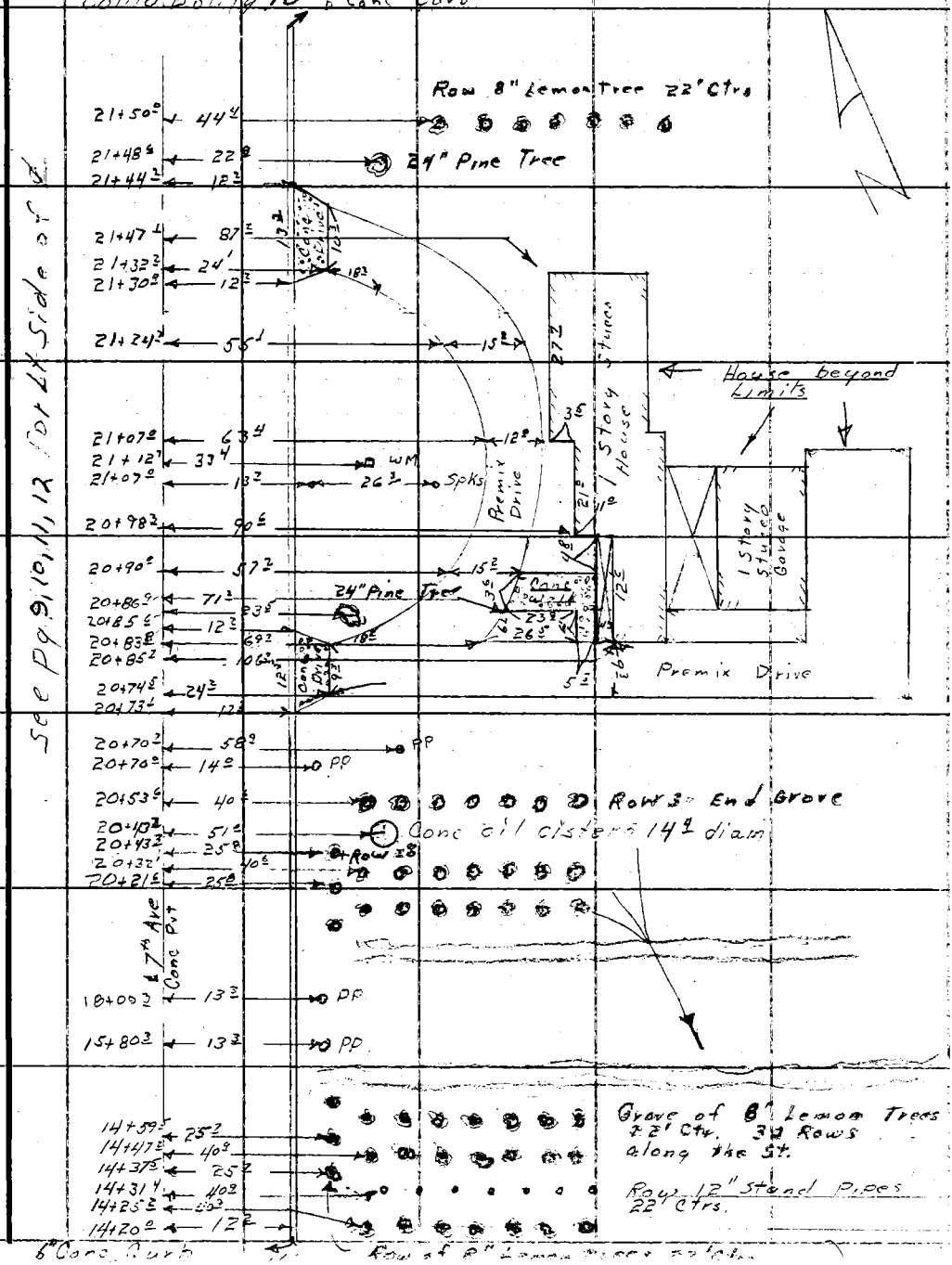
Notes Ck'd by	Survey of 17th Ave
Map No. B-2791-1	JN 0095/33 Tape Std °F
Office Work M. HAMASU	Surveyed by D.F. Holmes
Checked	Notes J.E. Henderson Date May 24 61
Date	Indexed H. E. Ott

F. B. 2920 PG. 17



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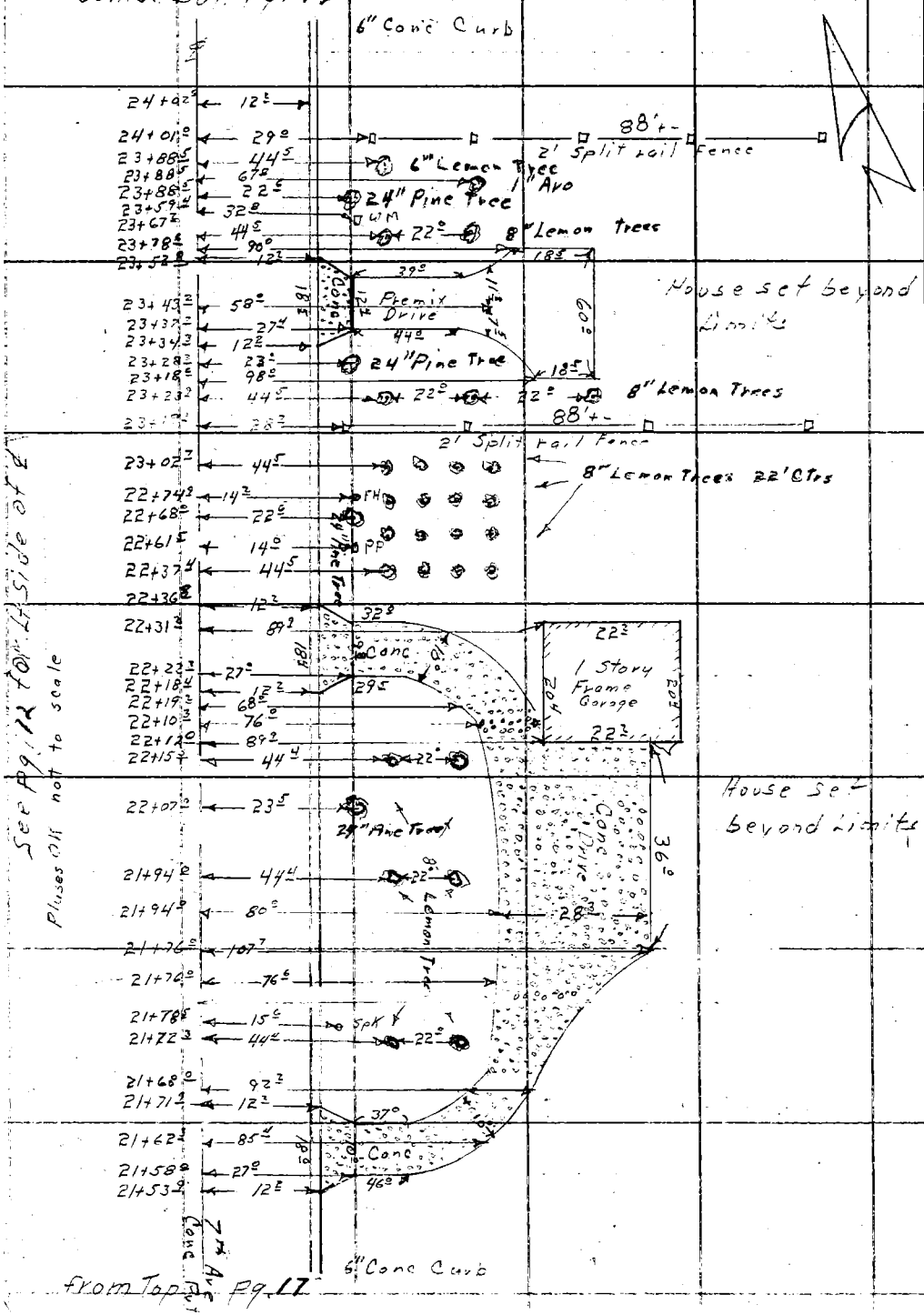
F. B. 2926 PG. 18.

Contd. bot. Pg. 19



from Top Pg. 17

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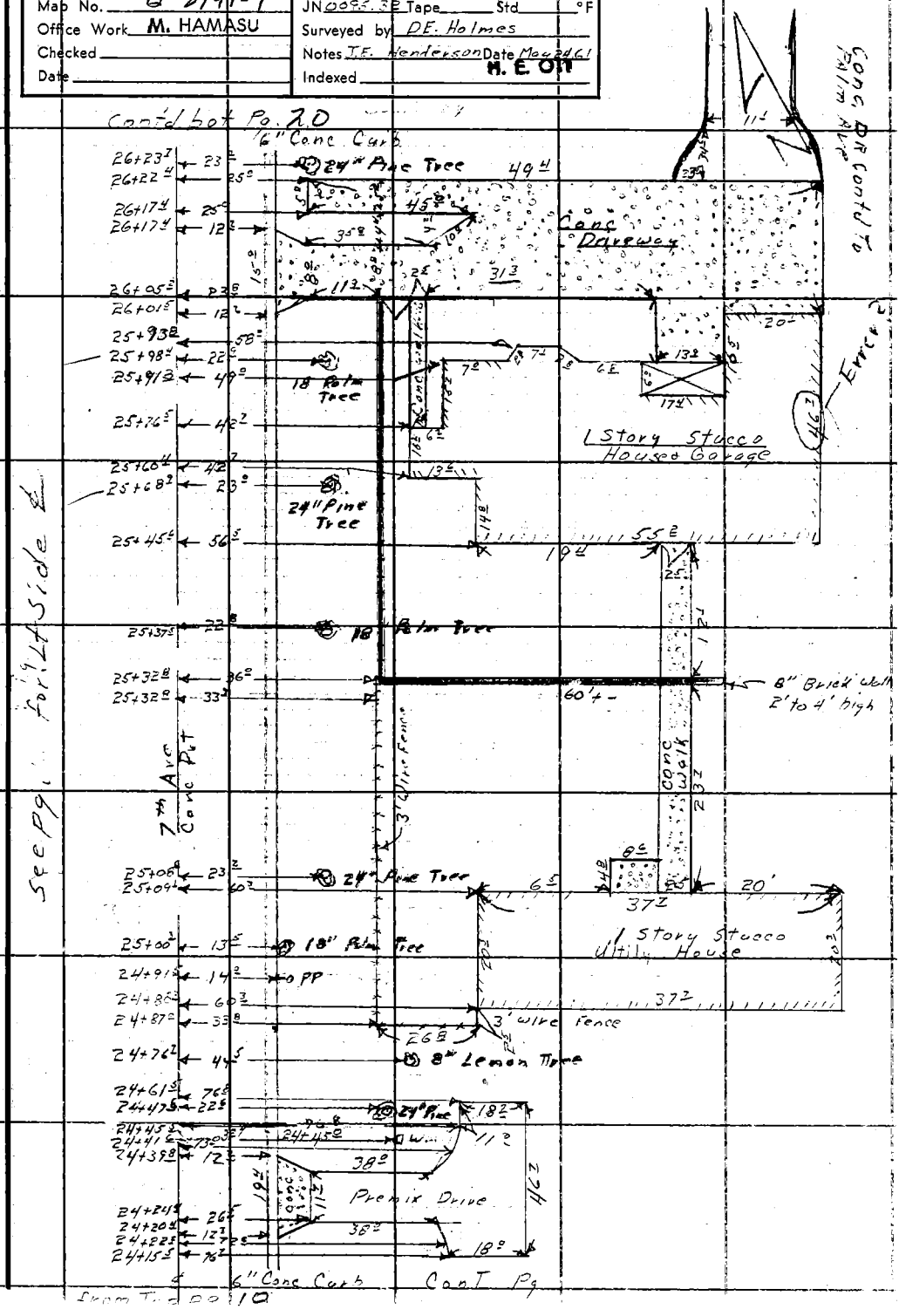
Notes Ck'd by	Survey of 7th Ave
Map No. B-2791-1	JN 0095.32 Tape ____ Std ____ °F
Office Work M. HAMASU	Surveyed by D.E. Holmes
Checked	Notes T.E. Henderson Date May 24 61
Date	Indexed

F. B. 2926 PG. 19

H. E. OTT



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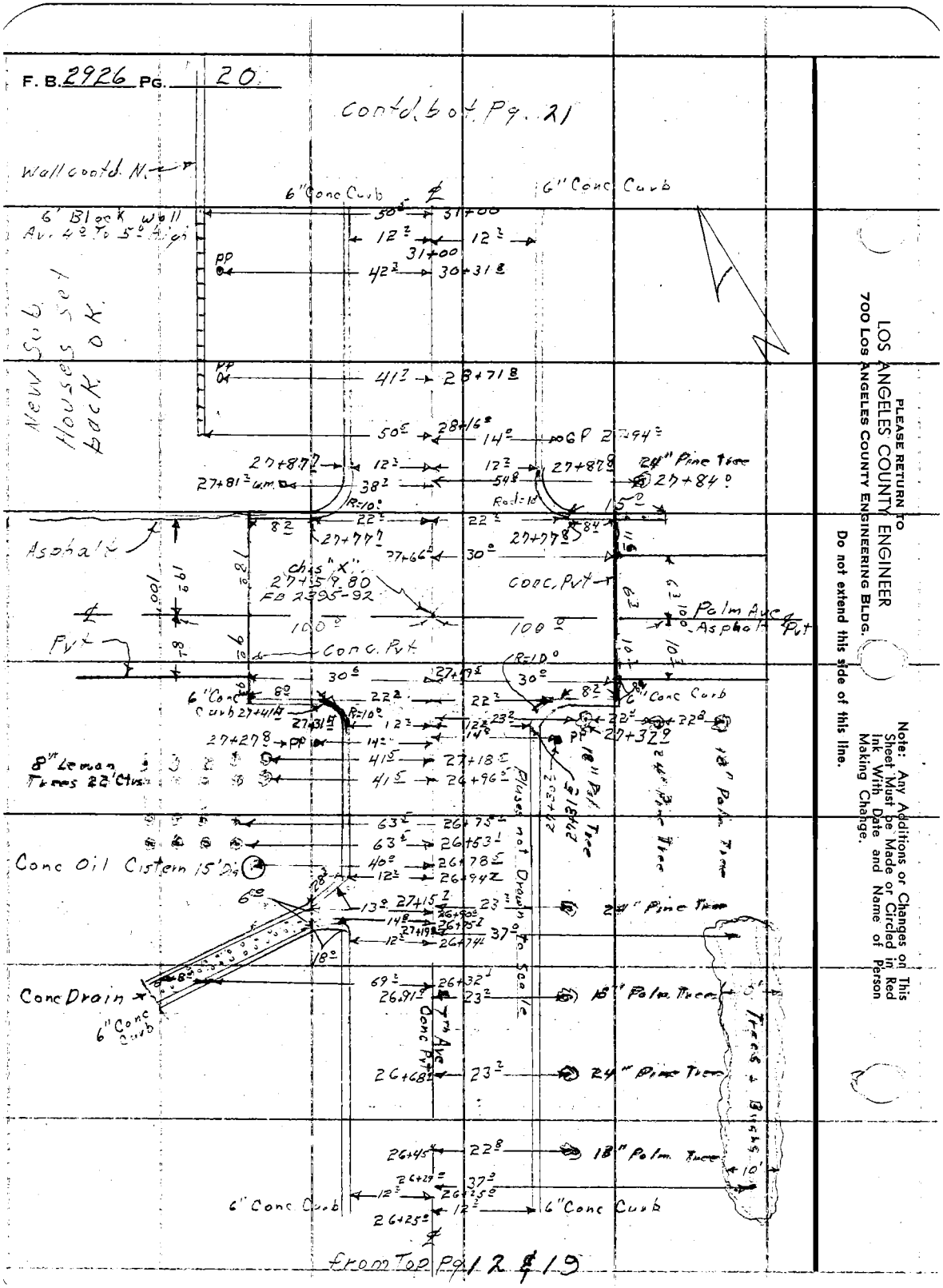
F. B. 2926 PG. 20



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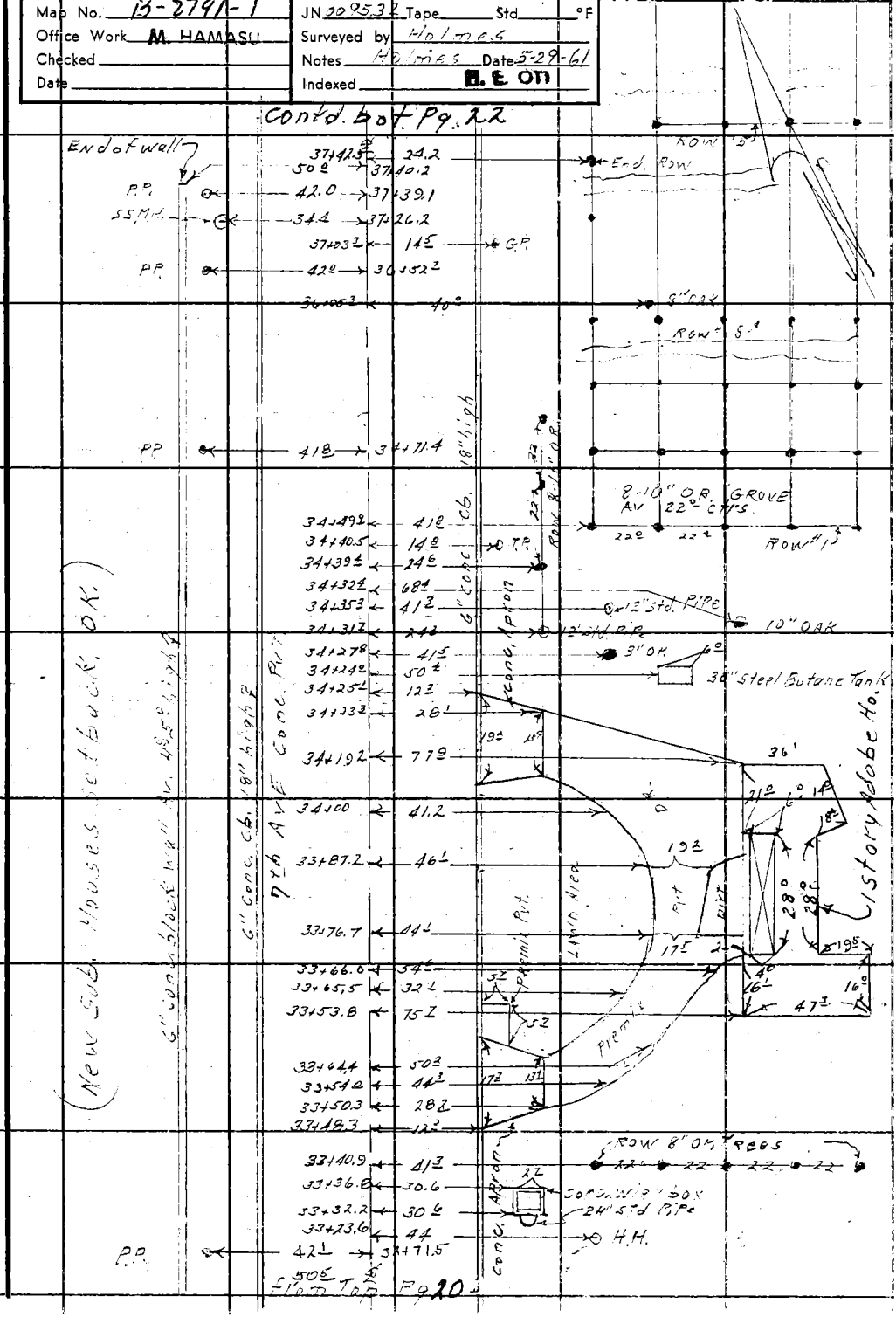
Notes Ck'd by	Survey of 7th Ave & Sunset Ave
Map No. B-2791-1	JN 309532 Tape ____ Std ____ °F
Office Work M. HAMASU	Surveyed by Holmes
Checked	Notes Holmes Date 5-29-61
Date	Indexed B. E. OTT

F. B. 2926 PG. 21

Cont'd. to of Pg. 22



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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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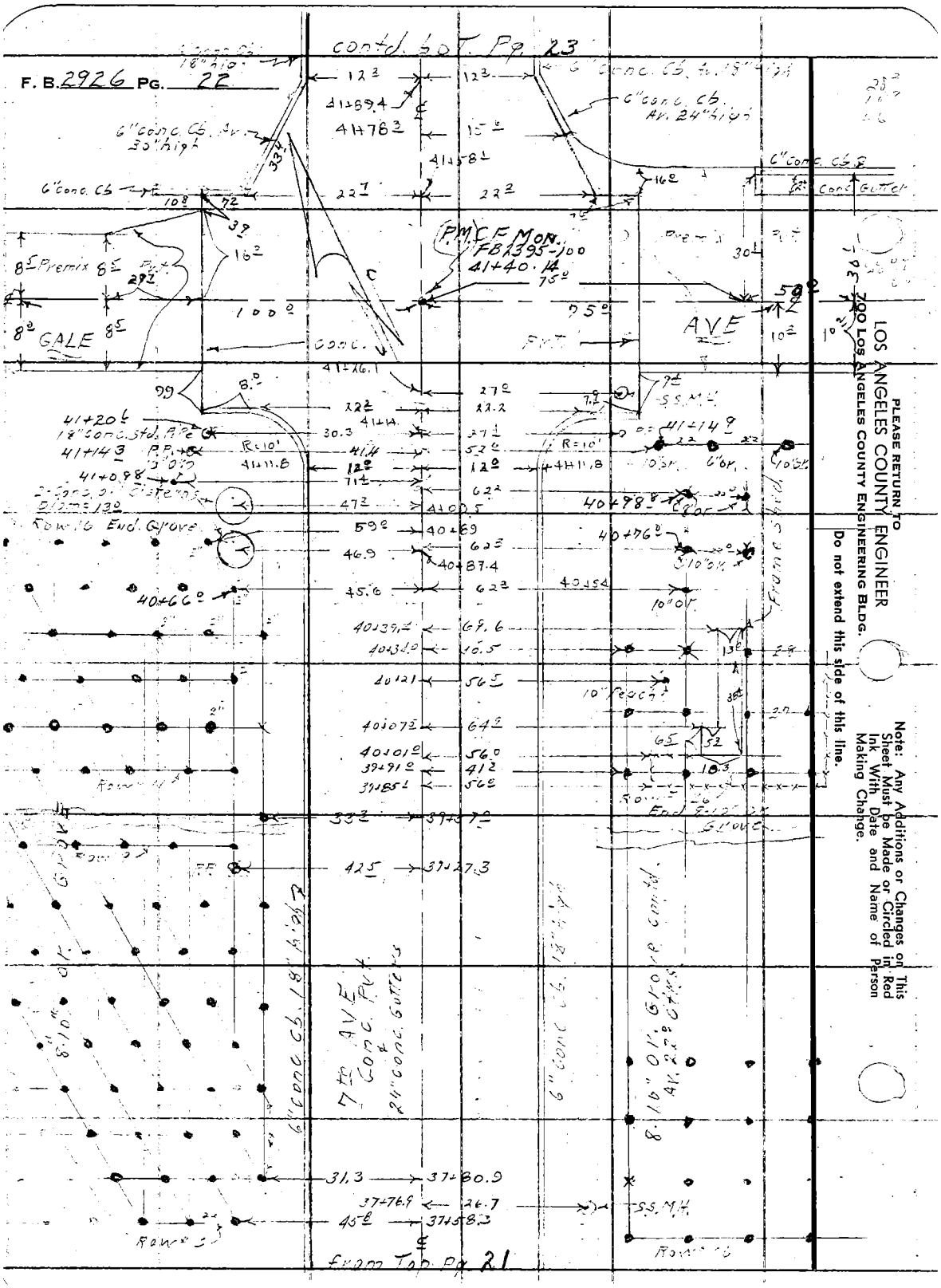

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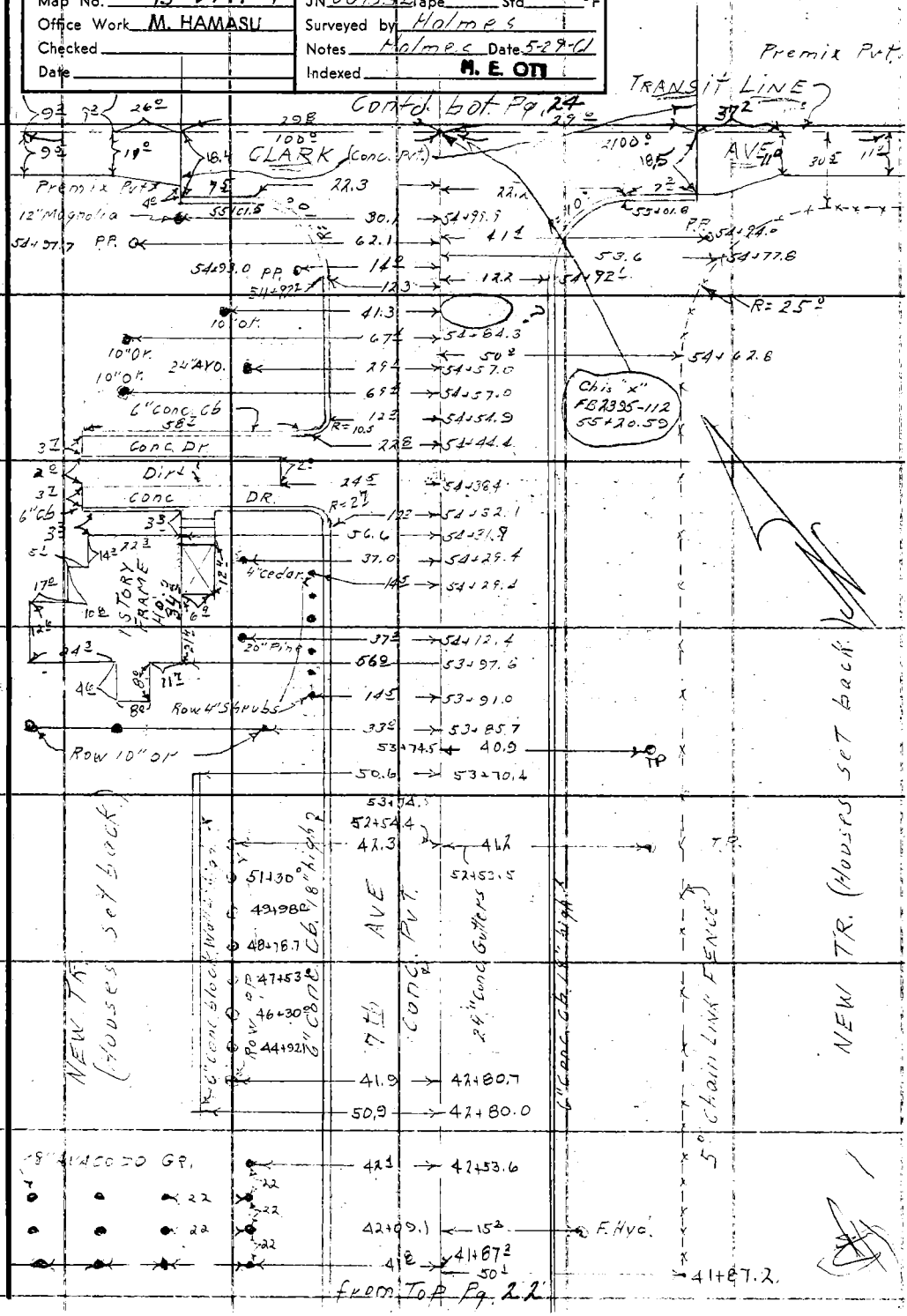
Notes Ck'd by	Survey of 74th Ave & Sunset Ave
Map No. B-2791-1	JN 0095.32 Tape ____ Std ____ °F
Office Work M. HAMASU	Surveyed by Holmes
Checked ____	Notes Holmes Date 5-29-61
Date ____	Indexed ____ M. E. OTT

F. B. 2926 PG. 23



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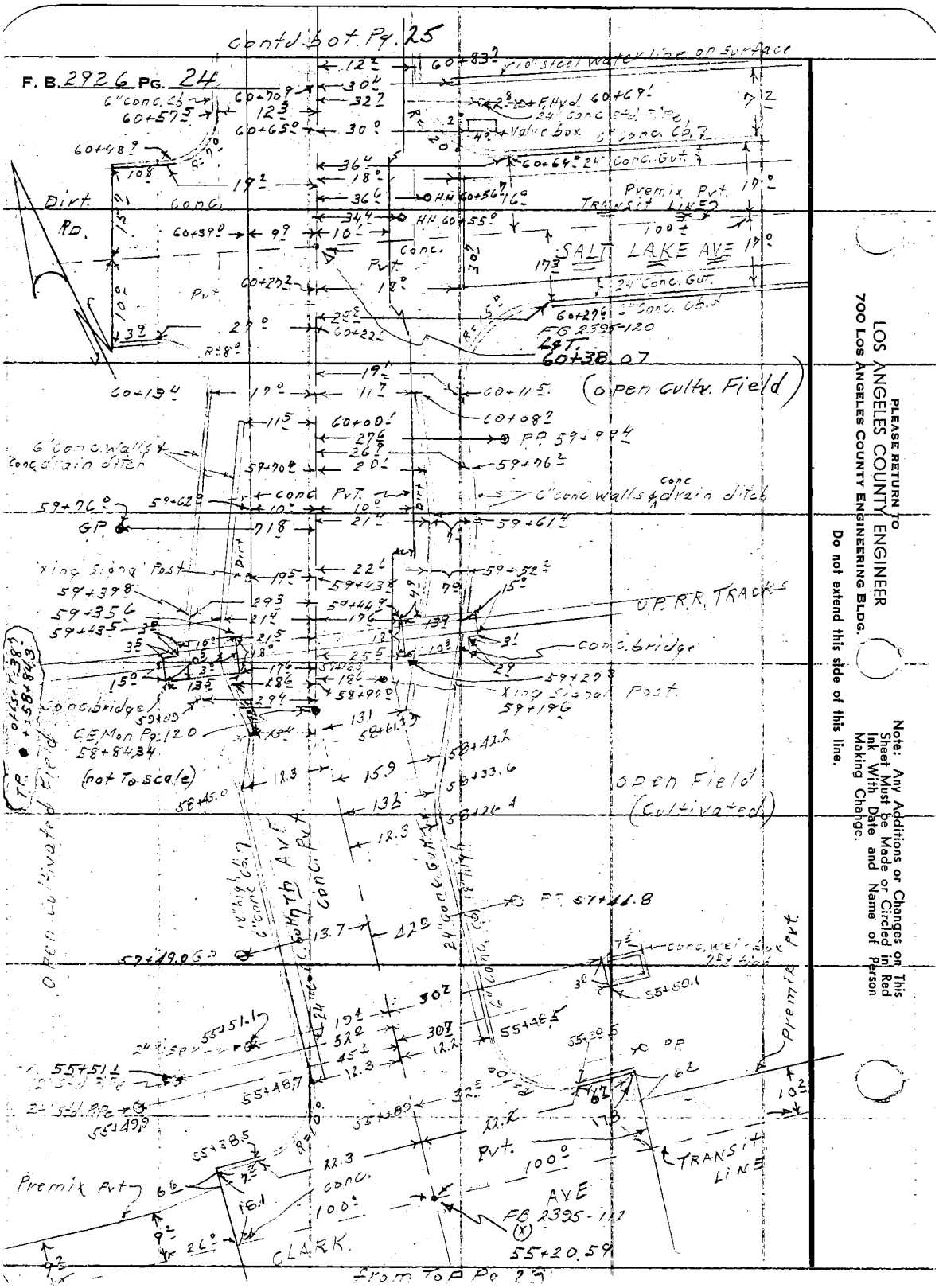

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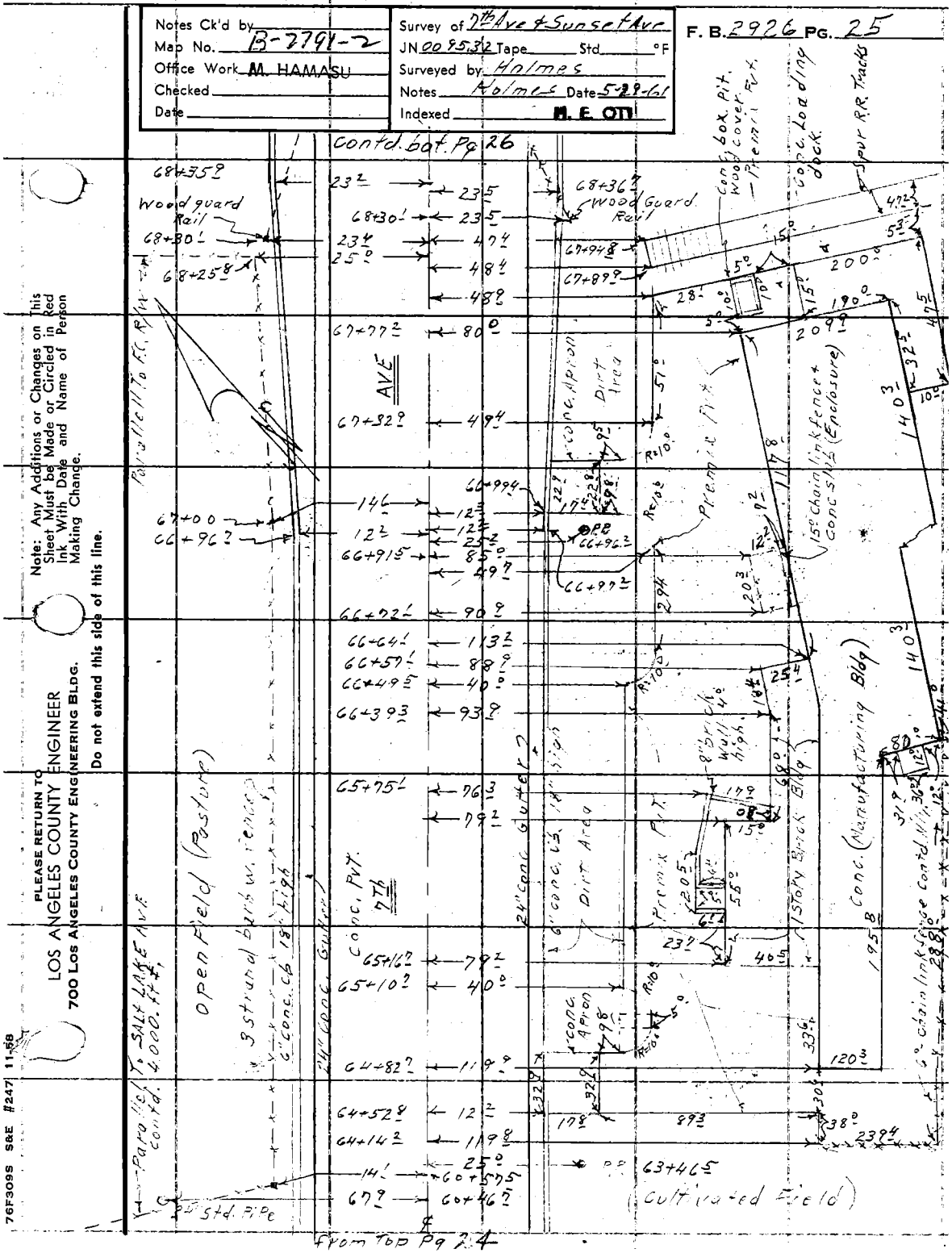
Notes Ck'd by	Survey of 7th Ave & Sunset Ave
Map No. B-2791-2	JN 00 85.32 Tape Std. °F
Office Work M. HAMASU	Surveyed by Holmes
Checked	Notes Holmes Date 5-29-61
Date	Indexed M. E. OTI

F. B. 2926 PG. 25



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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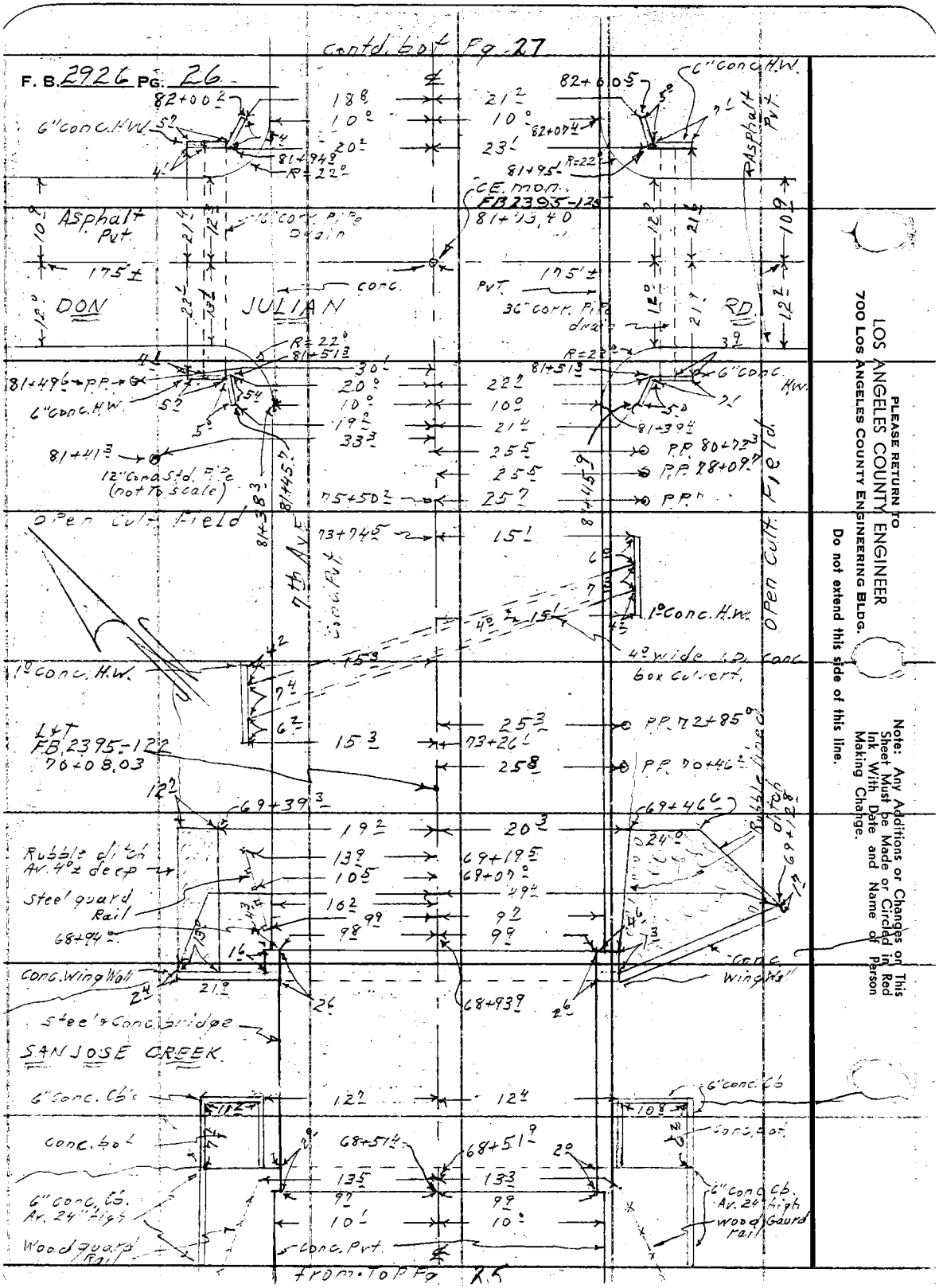

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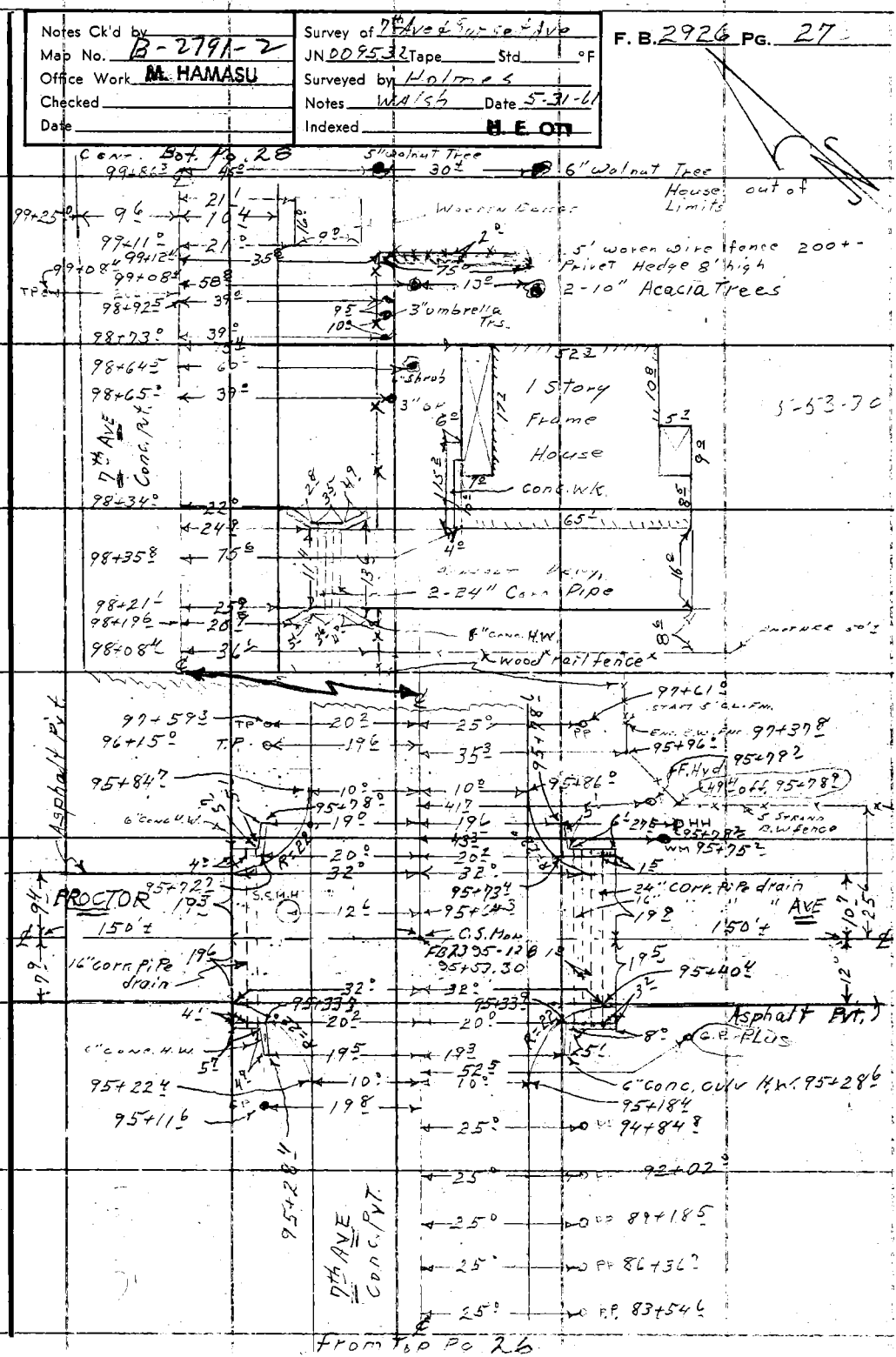
Notes Ck'd by	Survey of 7th Ave & Sunset Ave
Map No. B-2791-2	JN 009532 Tape ____ Std ____ °F
Office Work M. HAMASU	Surveyed by Holmes
Checked ____	Notes Walsh Date 5-31-61
Date ____	Indexed H. E. OTT

F. B. 2926 PG. 27



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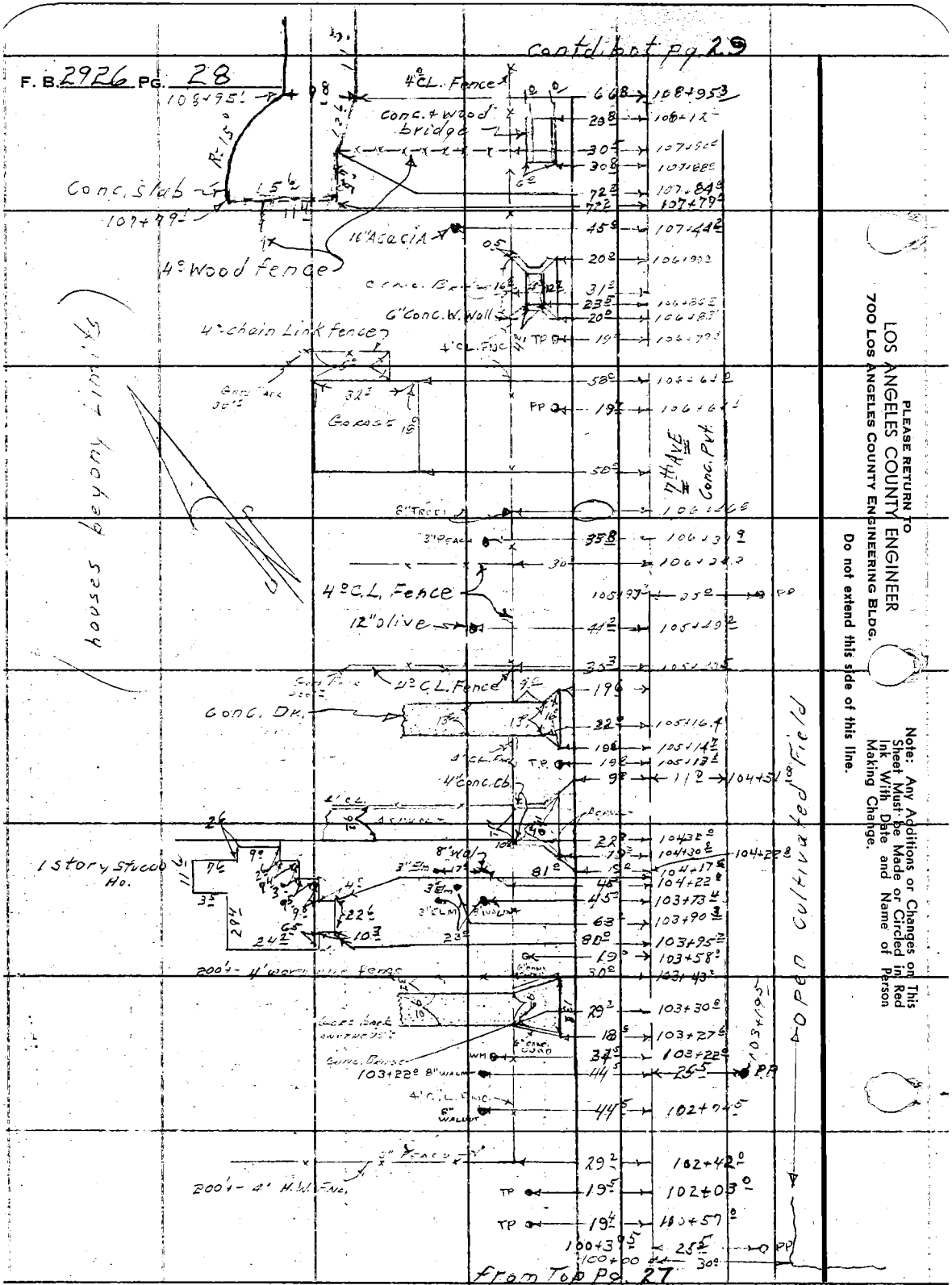

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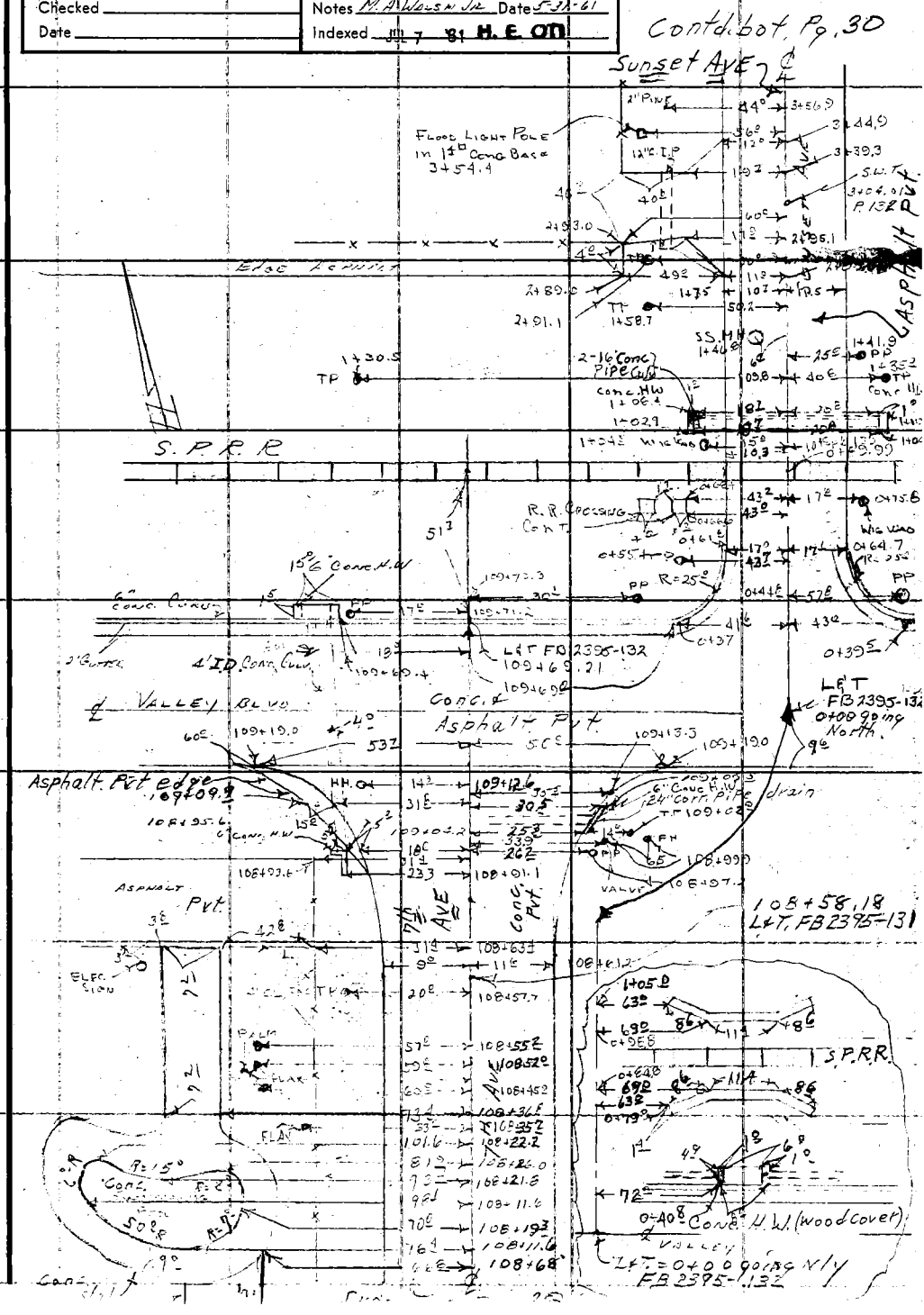
Notes Ck'd by	Survey of 7th Ave	F. B. 2926 Pg. 29-
Map No. B-2791-2	JN ____ Tape ____ Std ____ °F	
Office Work M. HAMASU	Surveyed by D. E. Holmes	
Checked	Notes M. A. Walsh Jr. Date 5-31-61	
Date	Indexed JUL 7 '61 H. E. OM	



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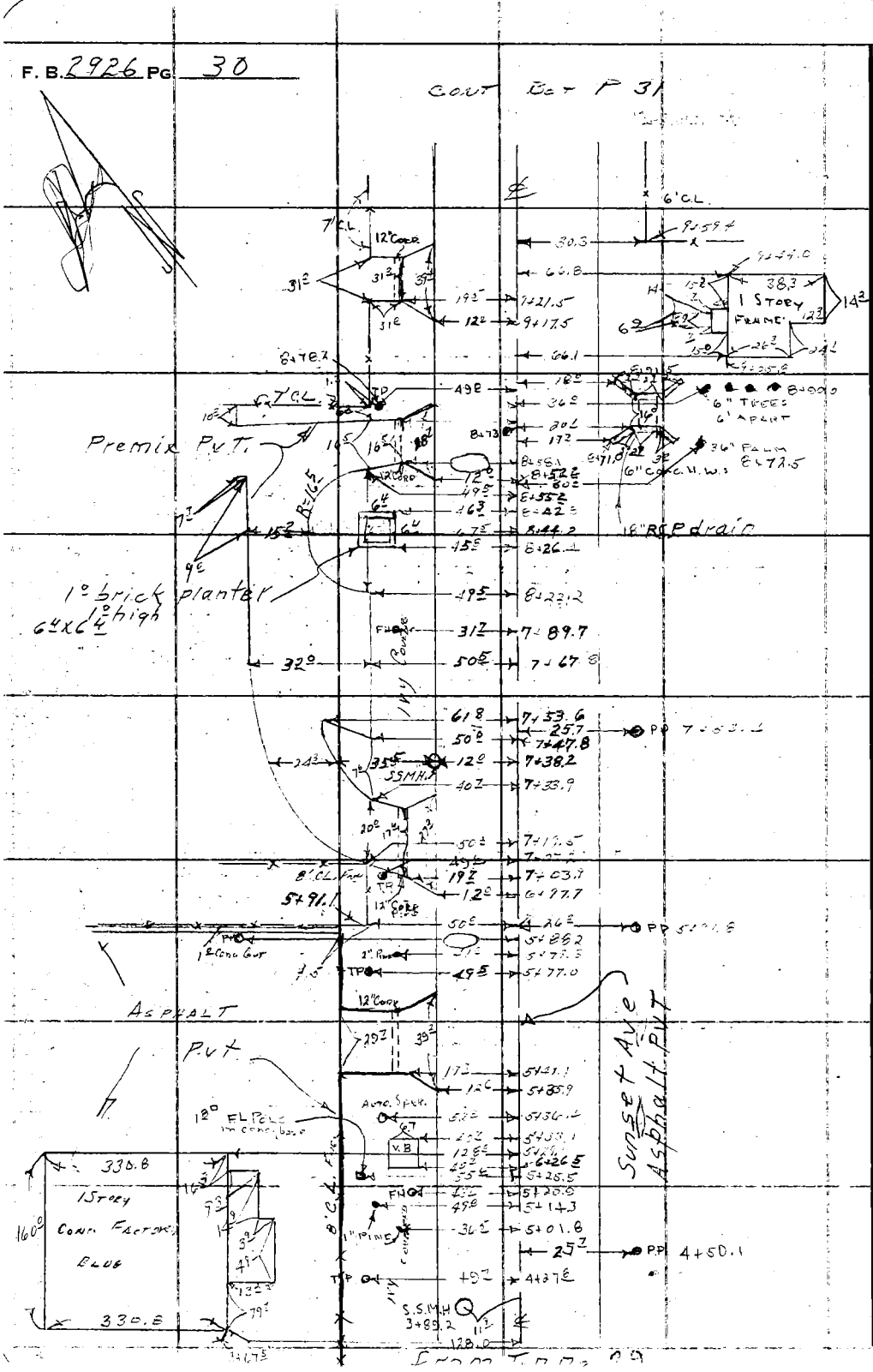
F. B. 2926 PG. 30

CONT BK P 31



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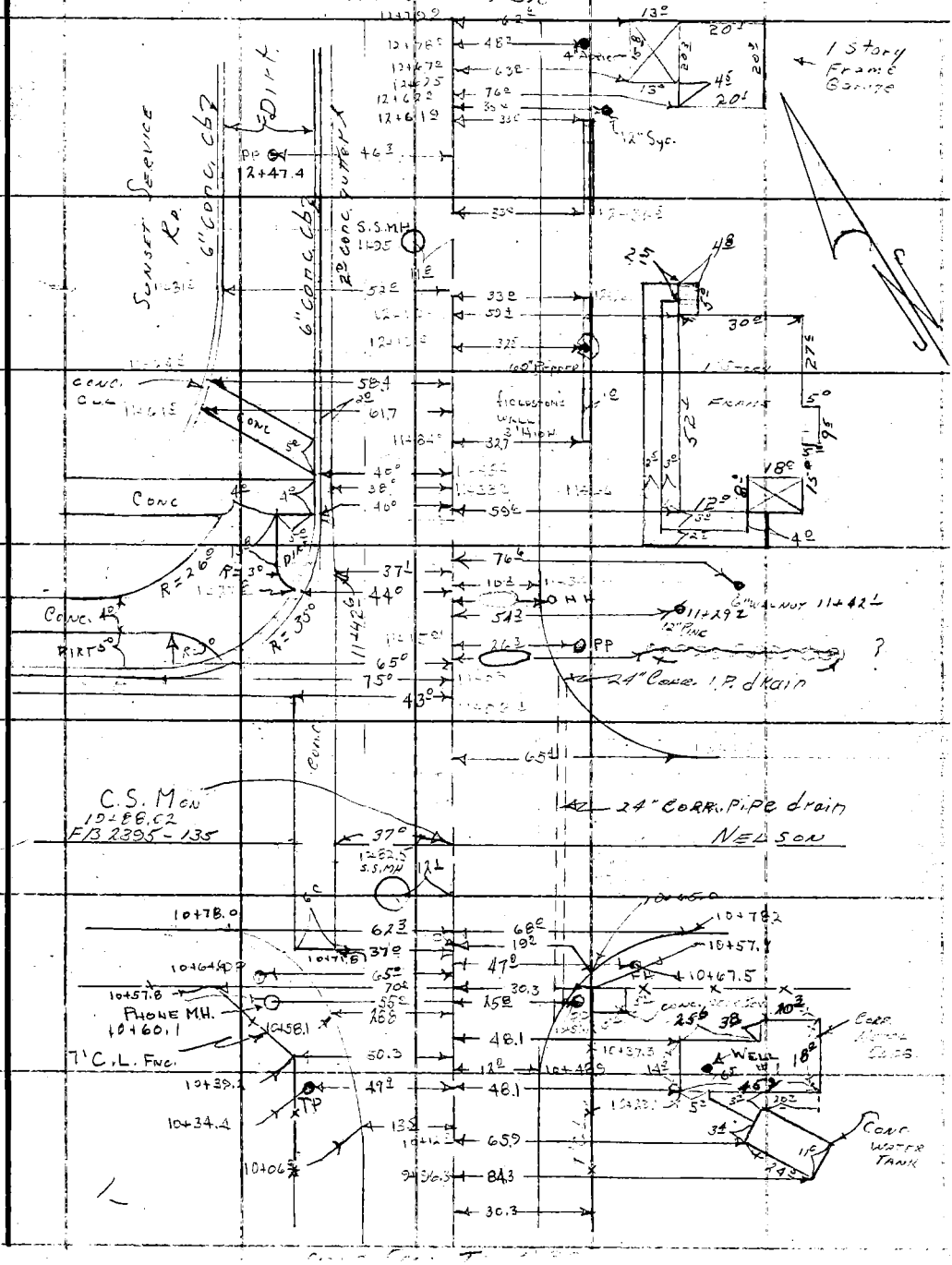
Notes Ck'd by	Survey of 7th Ave & Sunset Ave
Map No. B-2791-2	JN 009532 Tape ____ Std ____ °F
Office Work M. HAMASU	Surveyed by D.E. Holmes
Checked	Notes M.A. Walsh Jr. Date 5-31-61
Date	Indexed H. E. OTT 9 61

F. B. 2926 PG. 31



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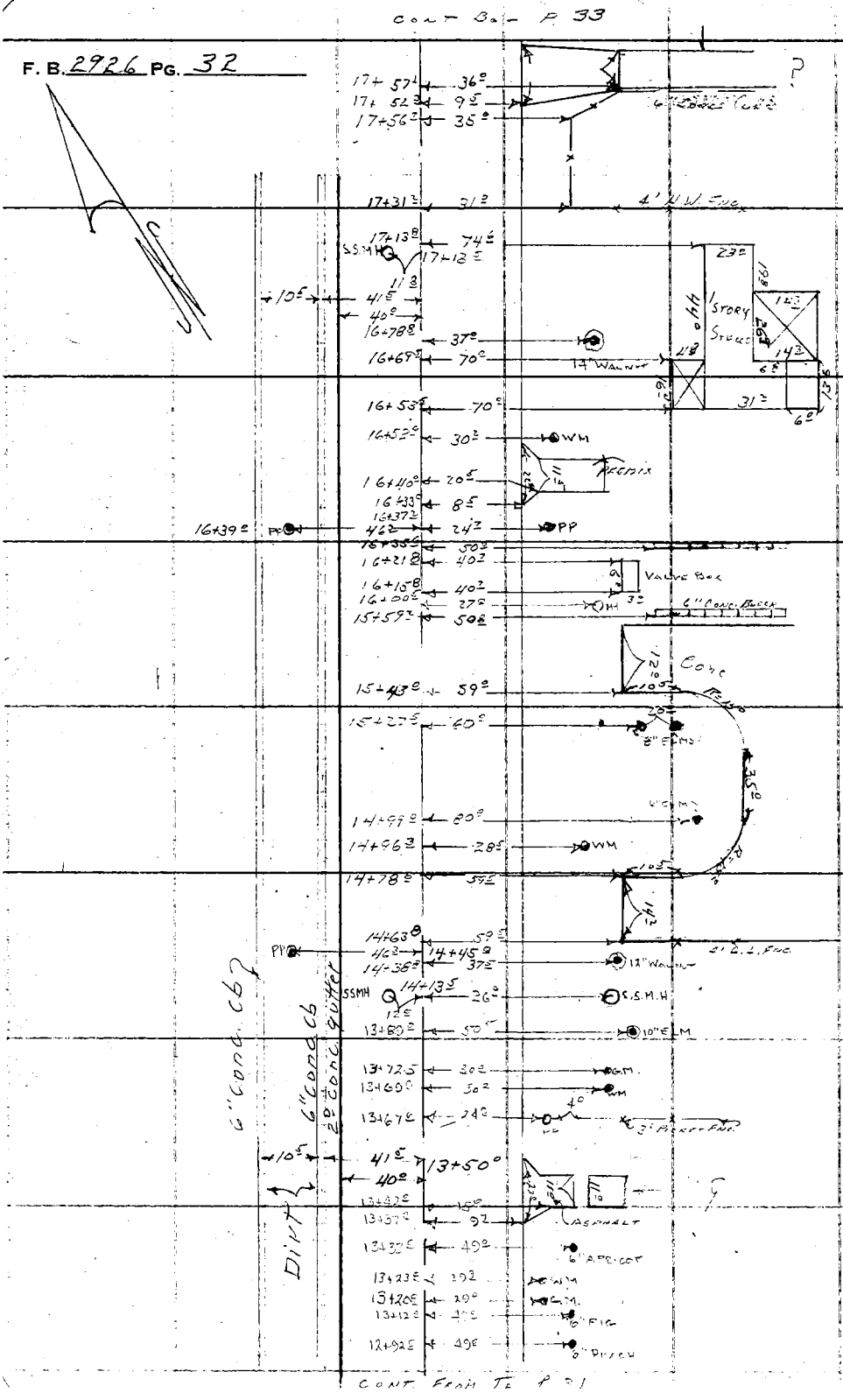
F. B. 2926 PG. 32



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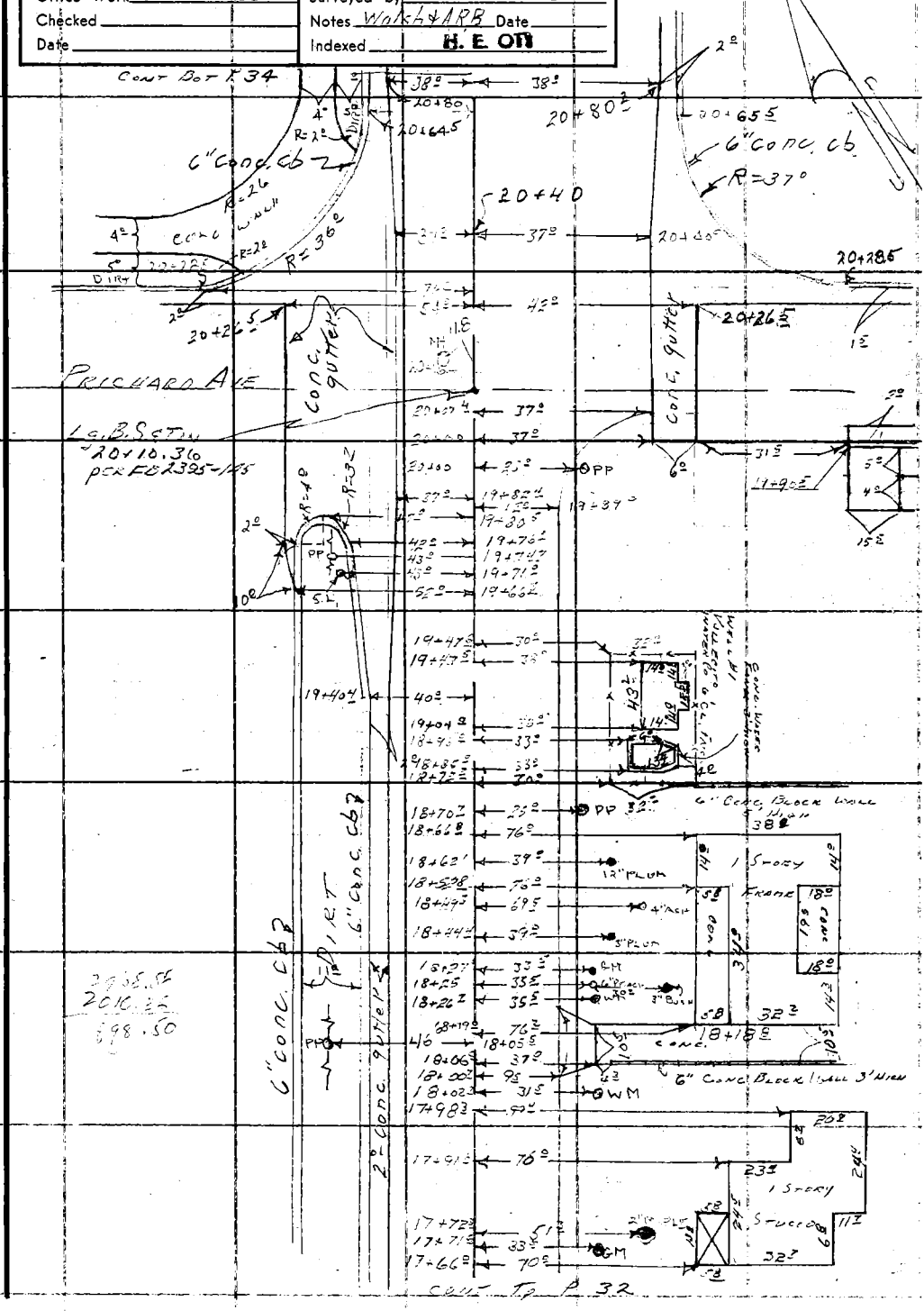
Notes Ck'd by	Survey of 7th Ave
Map No. B-2791-3	JN 0095-32 Tape Std °F
Office Work M. HAMASU	Surveyed by D.E. Holmes
Checked	Notes Work & ARB Date
Date	Indexed H. E. Ott

F. B. 2926 PG. 33



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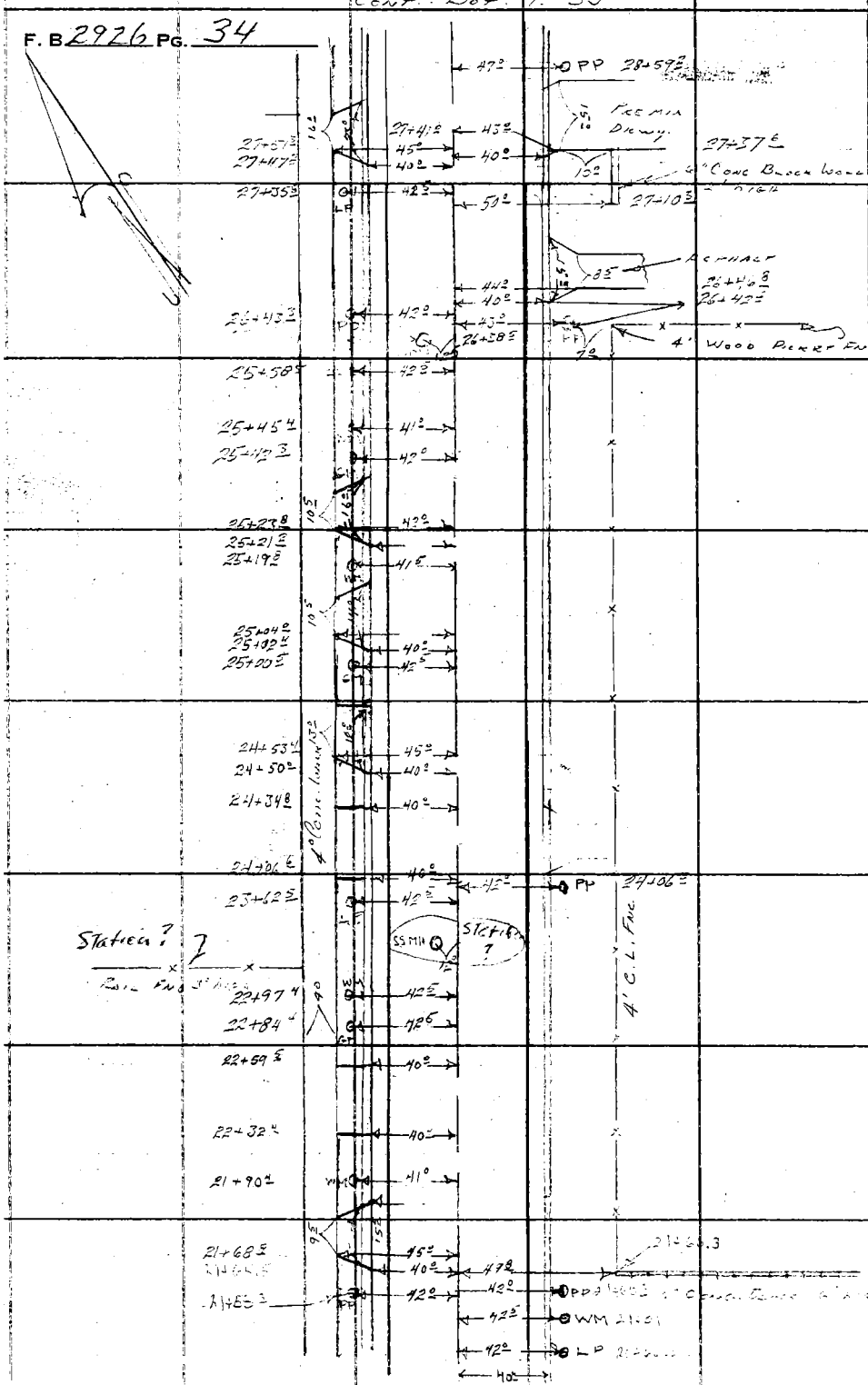
CONT. DOT P. 35

F. B 2926 PG. 34



CONT FROM 1p P. 33

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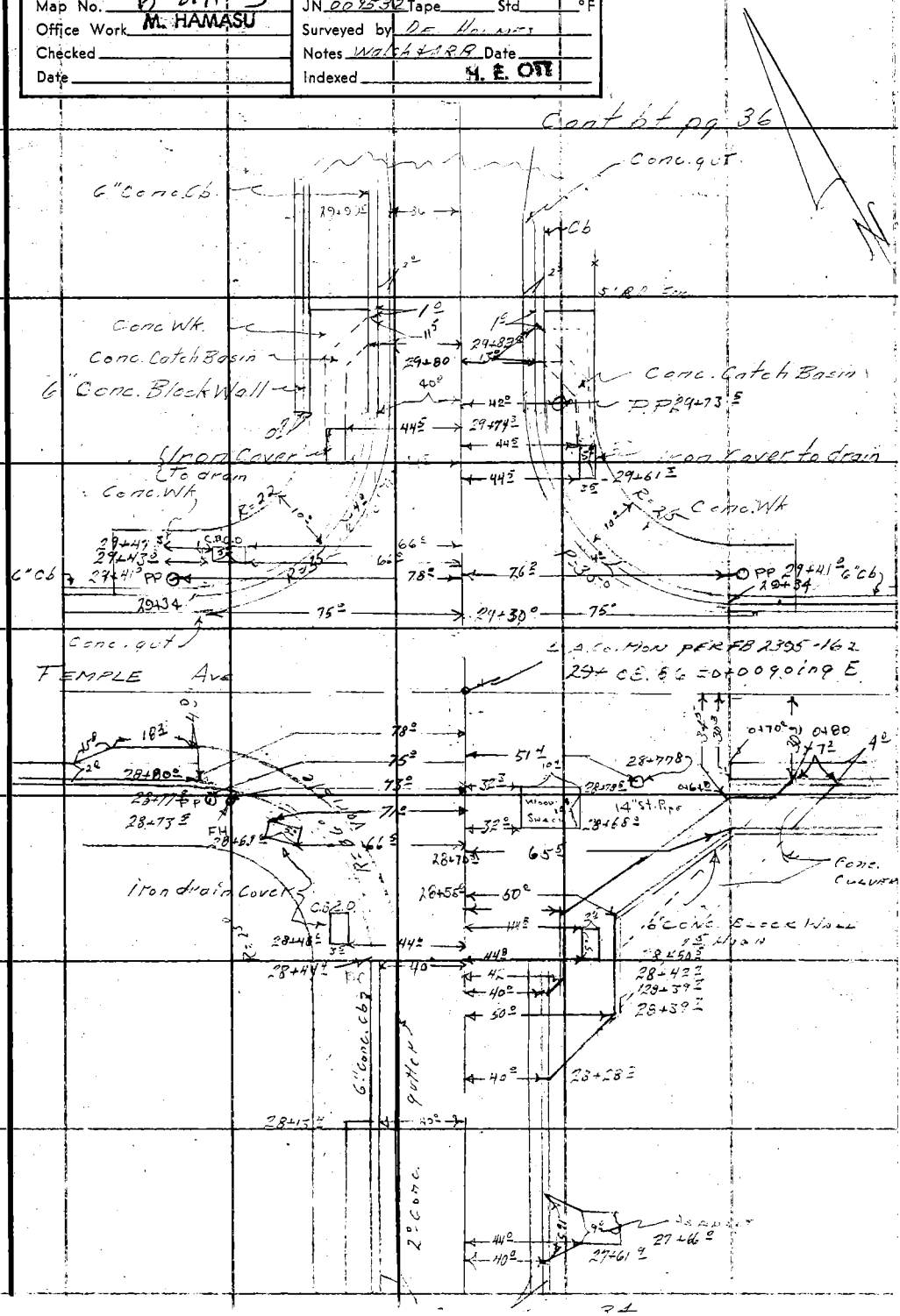
Notes Ck'd by	Survey of 7th Ave	F. B. 2926 PG. 35
Map No. B-2791-3	JN 009532 Tape Std °F	
Office Work M. HAMASU	Surveyed by De Holmes	
Checked	Notes Walsh & ARR Date	
Date	Indexed H. E. OTT	



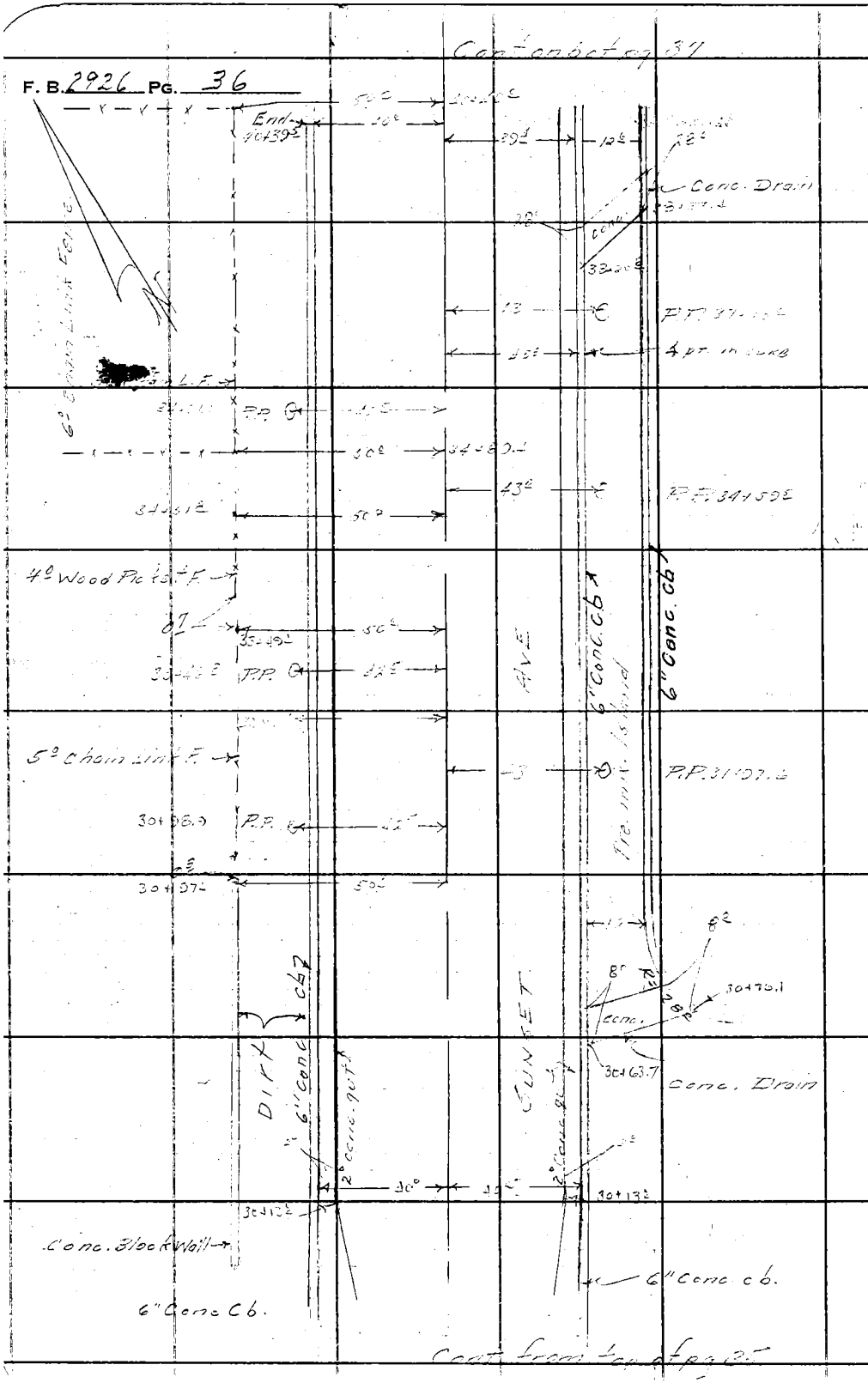
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Do not extend this side of this line.

76F309S S&E #247 11-58

F. B. 2926 PG. 36



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

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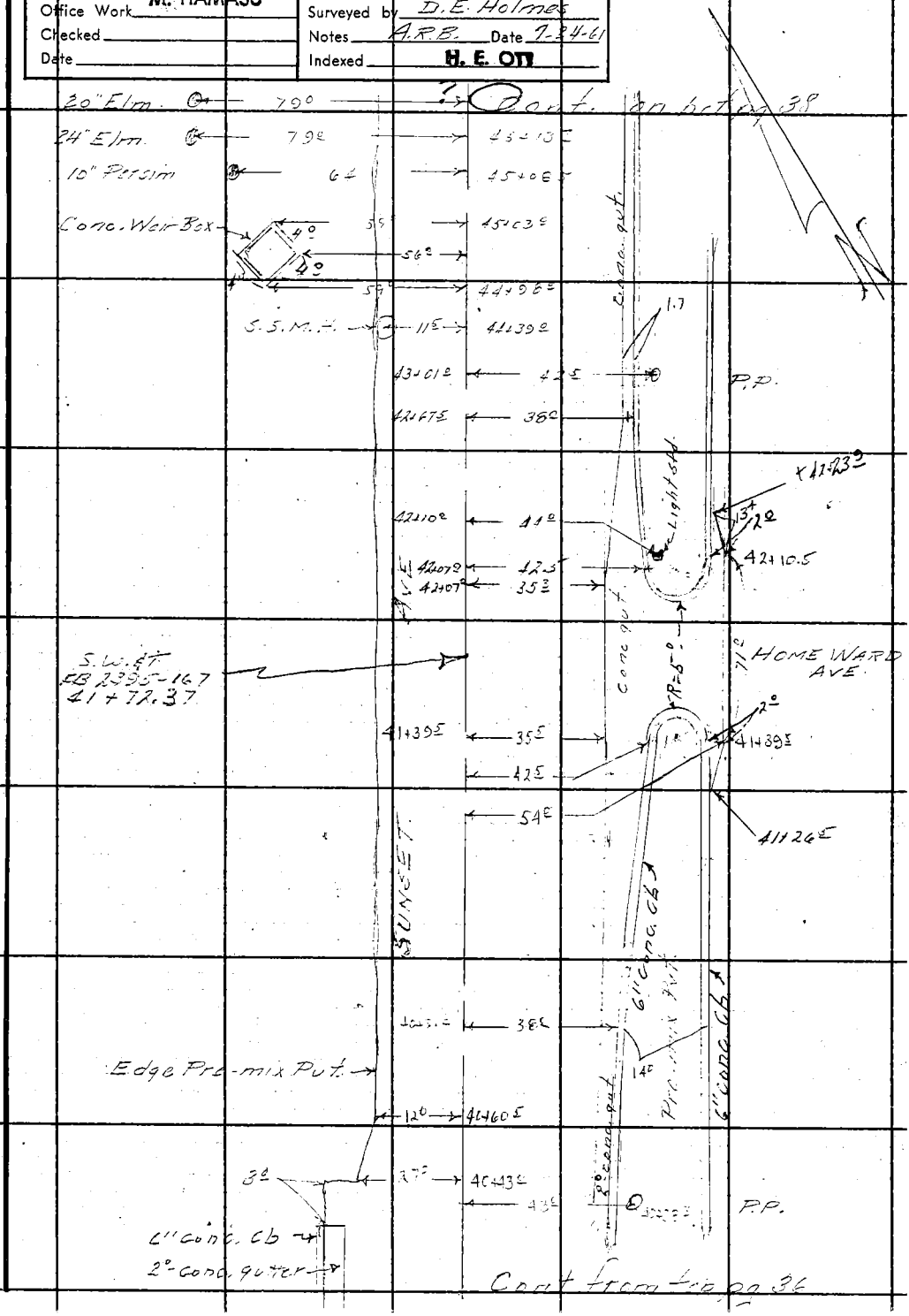
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by
Map No. B-2791-3
Office Work M. HAMASU
Checked
Date

Survey of 7th Ave
JN 009532 Tape Std °F
Surveyed by D.E. Holmes
Notes A.R.B. Date 7-24-61
Indexed H. E. OTT

F. B. 2926 PG. 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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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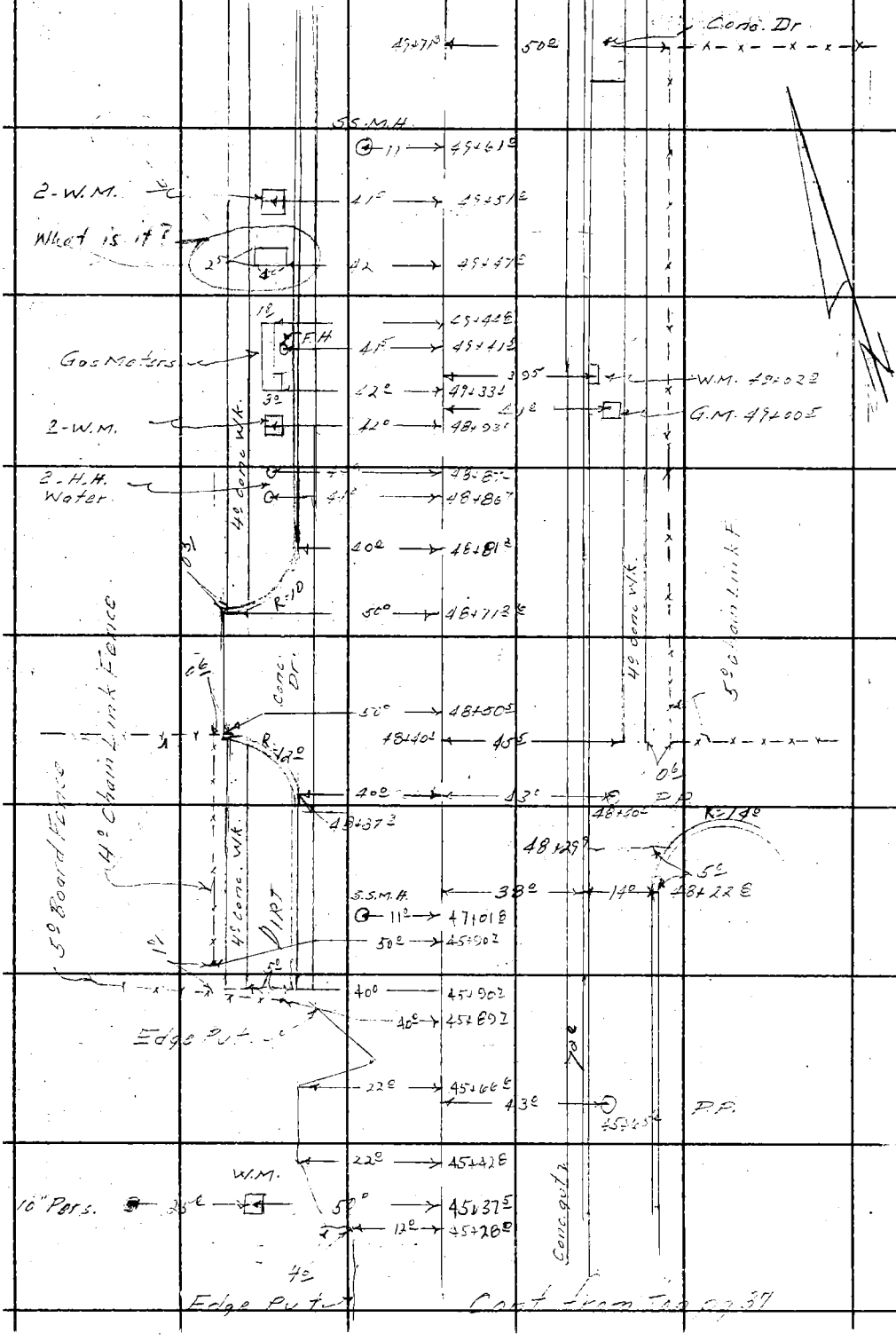
76F3095 CE # 310 3-61

F. B. 2926 PG. 38

Cont on Bot pg 39



Cont from Top pg 37

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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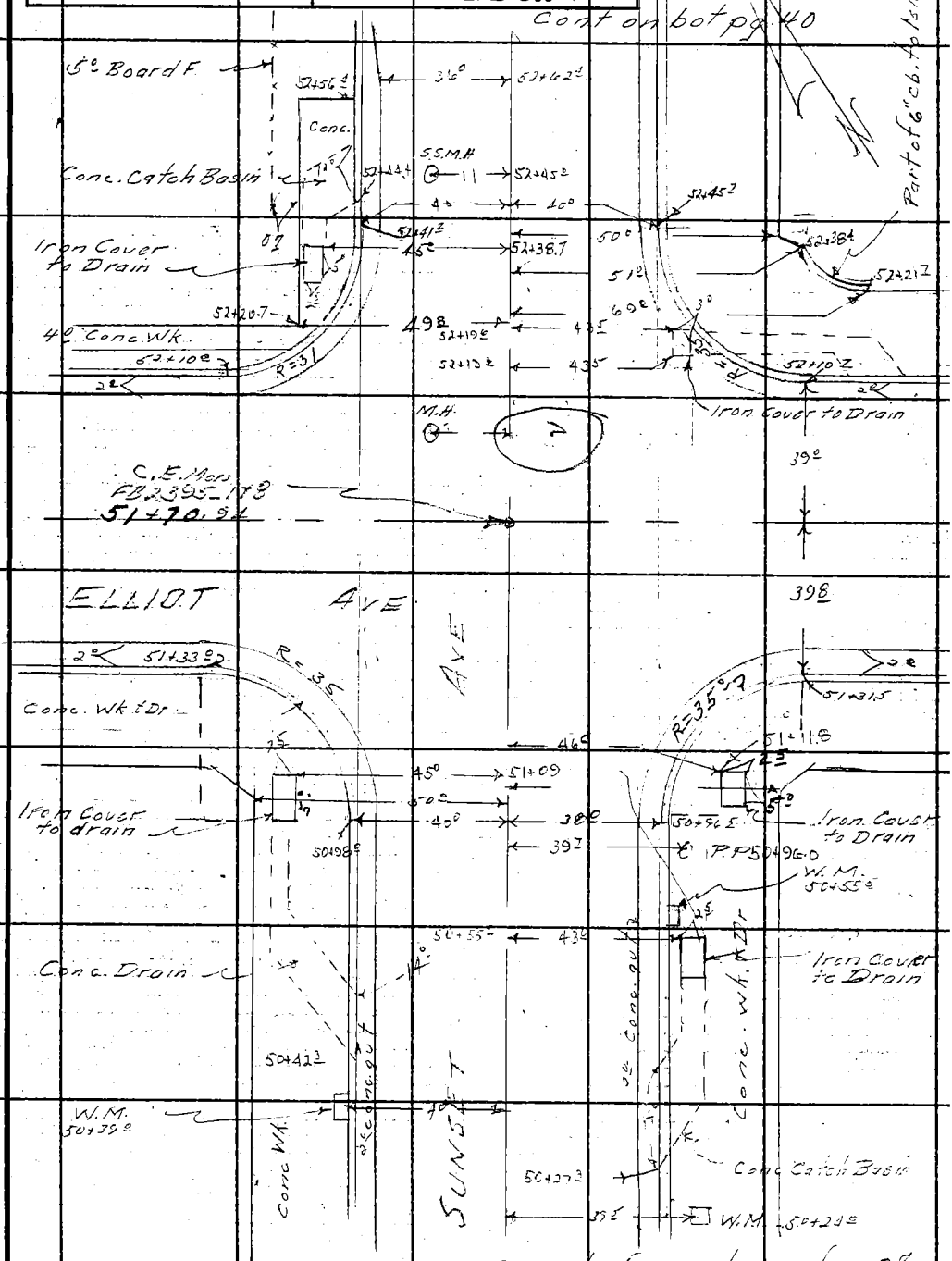
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by
Map No. B-2791-3
Office Work M. HAMASU
Checked
Date

Survey of 7th Av. & Sunset
JN 2095.32 Tape Std °F
Surveyed by D.E. Holmes
Notes A.R.R. Date 7-24-61
Indexed ~~H. E. OTT~~

F. B. 2926 PG. 39

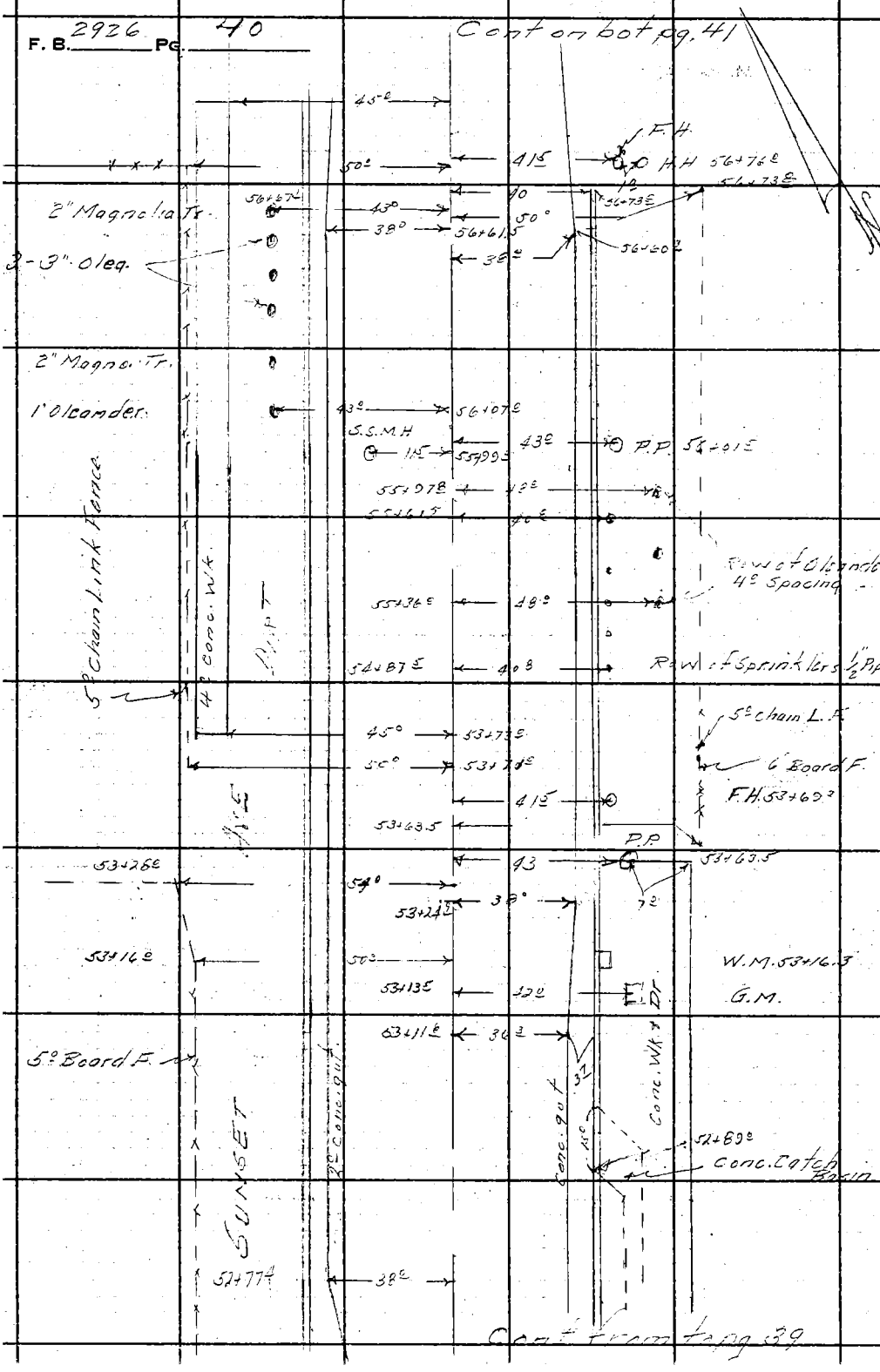
Cont on bot pg. 40



Cont from top of pg. 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 this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE # 310 3-61

F. B. 2926 Pg. 40



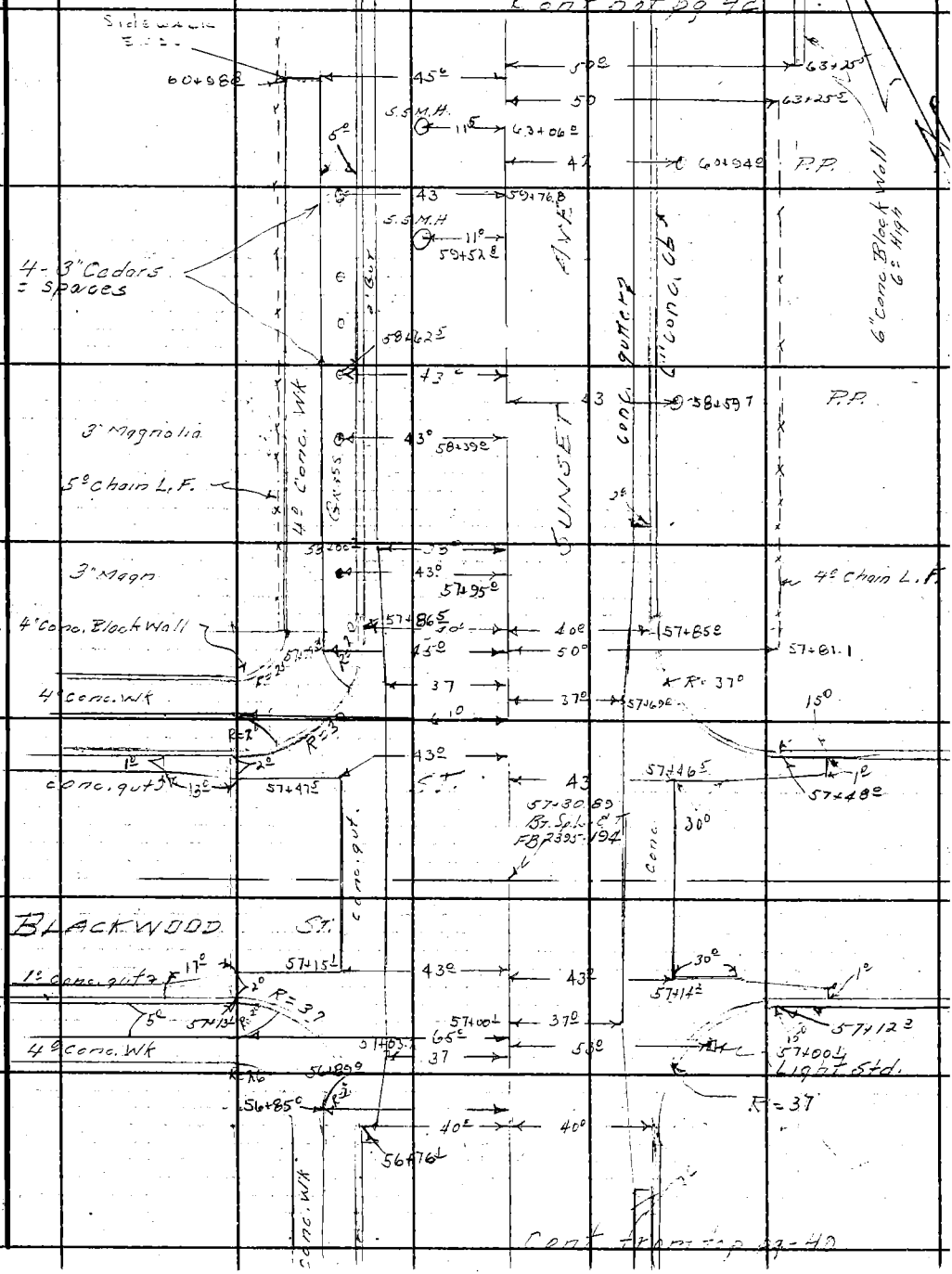
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 7th Ave & Sunset	F. B. 2926 Pg. 41
Map No.	JN 0095.32 Tape Std °F	
Office Work M. HAMASU	Surveyed by D. E. Holmes	
Checked	Notes A.R.B. Date 7-24-61	
Date	Indexed [illegible] E. OTT	

Cont bot pg 42



Cont from top pg 40

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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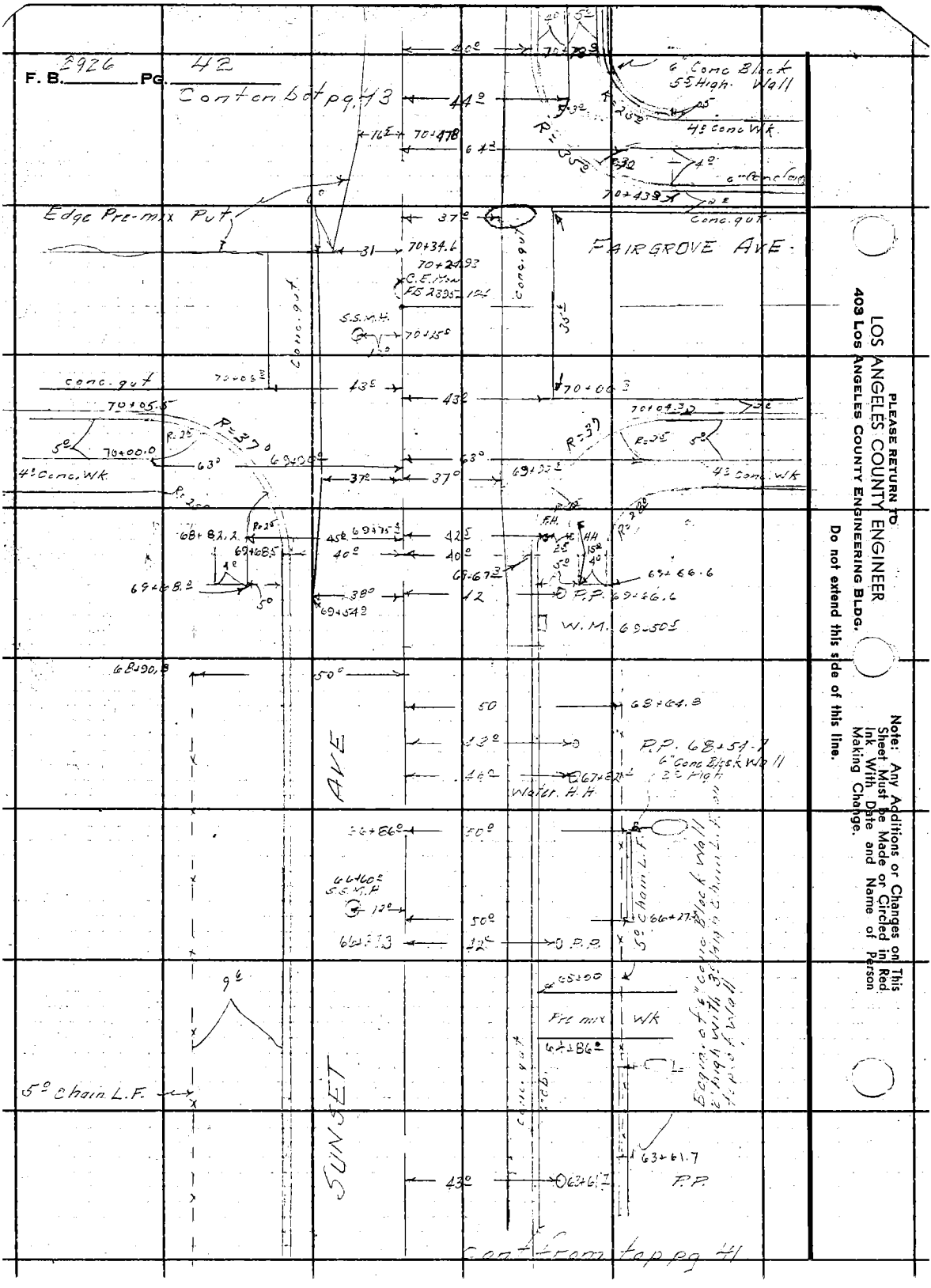
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3095 CE # 310 3-61

F. B. 2926 PG. 42



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403 Los Angeles County Engineering Bldg.

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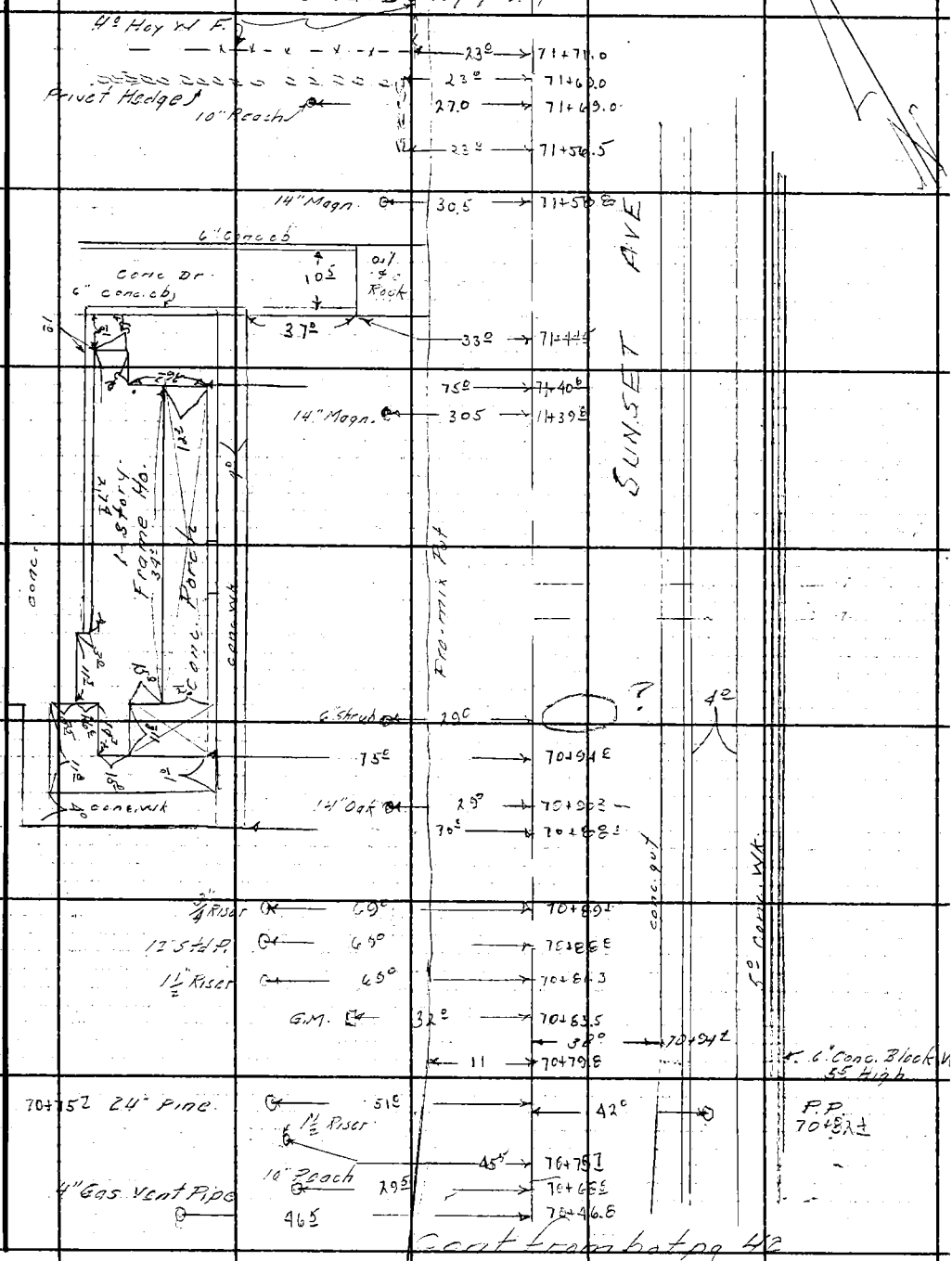
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of 7th Ave & Sunset	F. B. 2926 PG. 43
Map No. B-2791-4	JN 0095-32 Tape Std °F	
Office Work M. HAMASU	Surveyed by D. E. Holmes	
Checked	Notes A.R.B. Date 7-27-61	
Date	Indexed H. E. OTT	

Contd. bot. pg. 44



Cont from bot pg 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.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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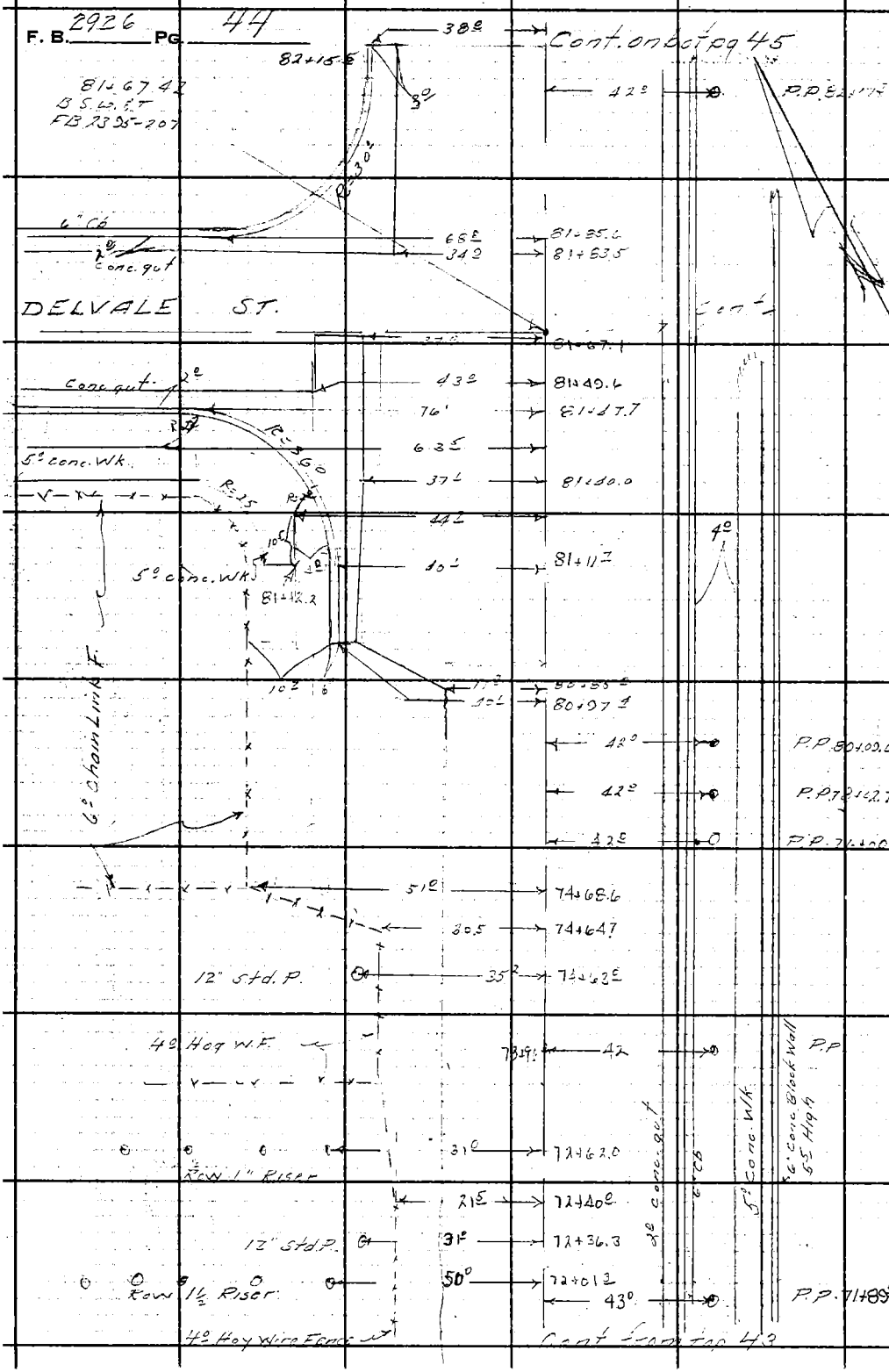
76F309S CE # 310 3-61

F. B. 2926 PG. 44



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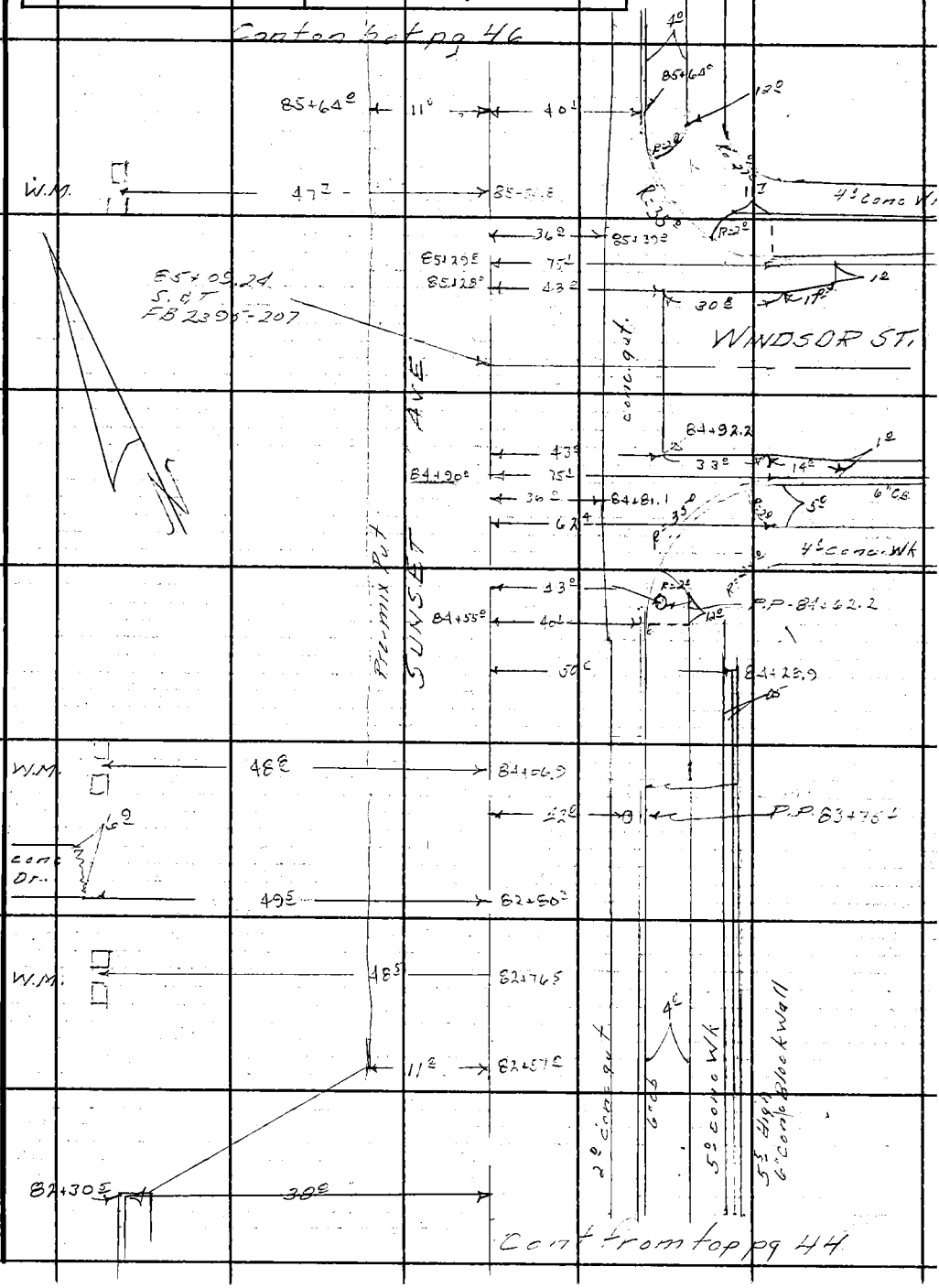
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of 7th Ave & Sunset.	F. B. 2926 PG. 45
Map No. B-2791-4	JN 0095.32 Tape ____ Std ____ °F	
Office Work M. HAMASU	Surveyed by D.E. Holmes	
Checked	Notes A.R.B. Date	
Date	Indexed B. E. OTT	



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
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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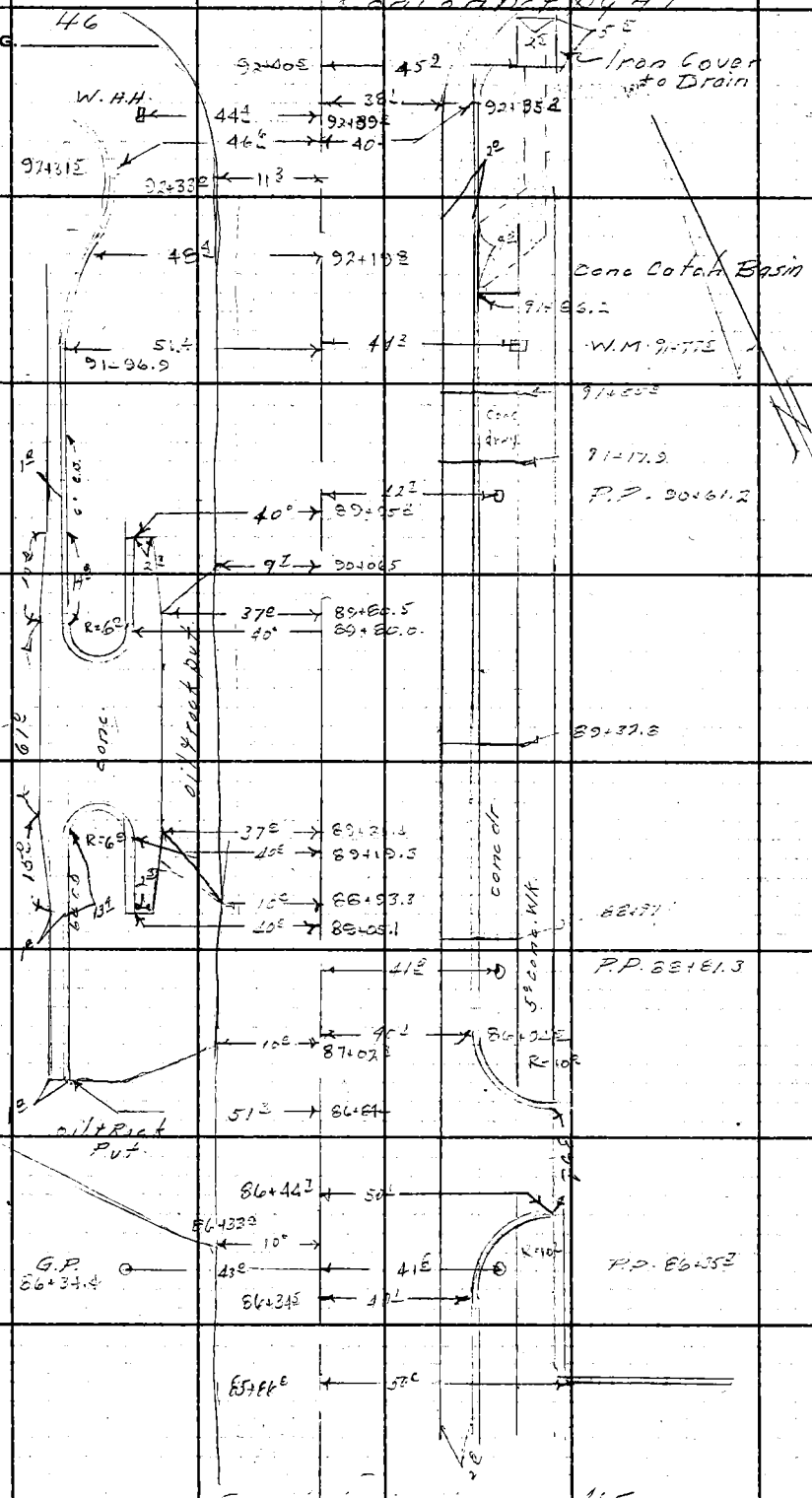
76F3095 CE # 310 3-61

Continued pg 47

F. B. 2926 PG. 46



Continued pg 45

PLEASE RETURN TO
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403 Los Angeles County Engineering Bldg.
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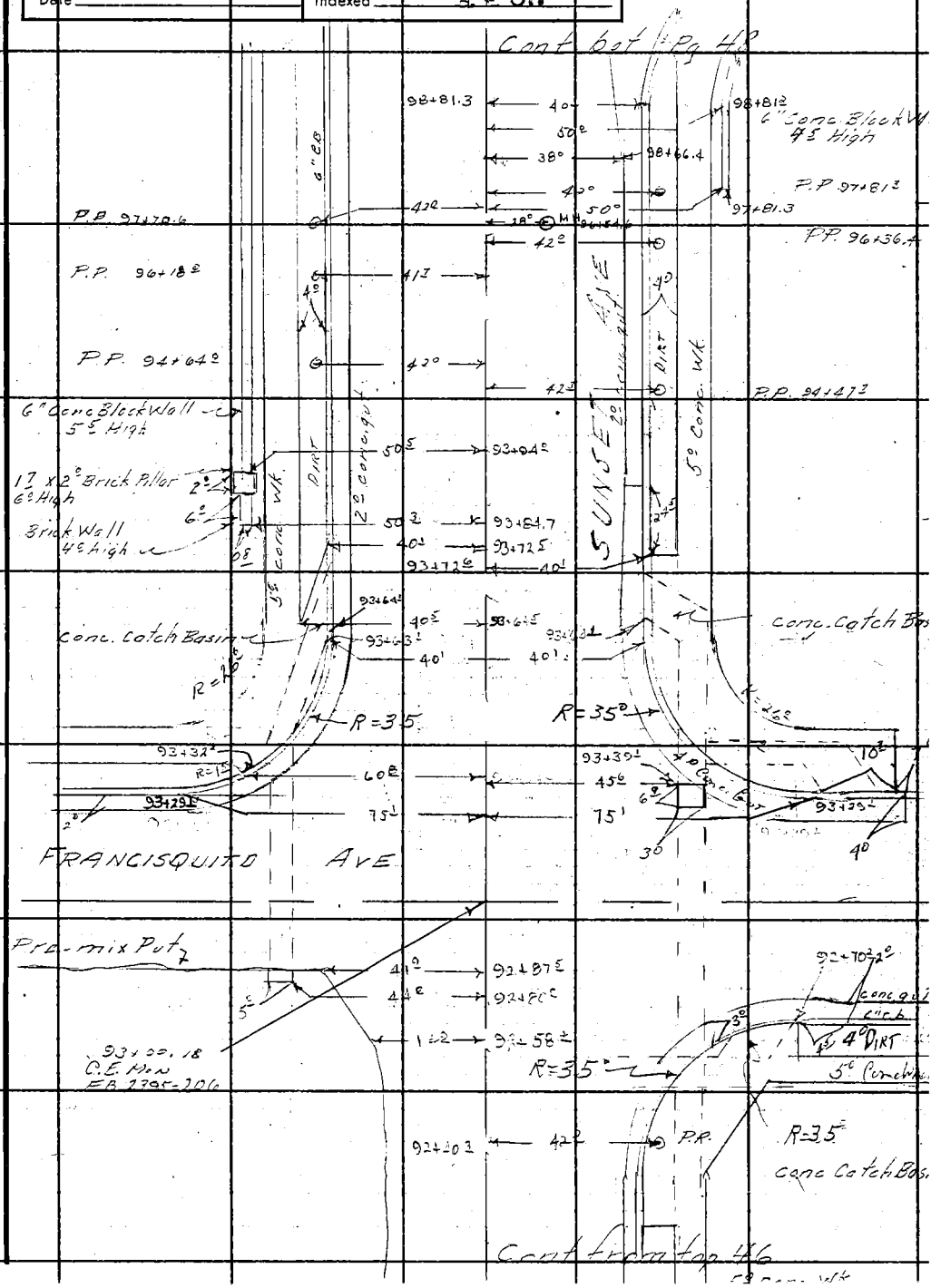
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of 7th Ave & Sunset
Map No. B-2791-4	JN 009532 Tape Std °F
Office Work M. HAMASU	Surveyed by D. E Holmes
Checked	Notes A.R.B. Date 7-27-61
Date	Indexed E. F. OTT

F. B. 2920 PG. 47



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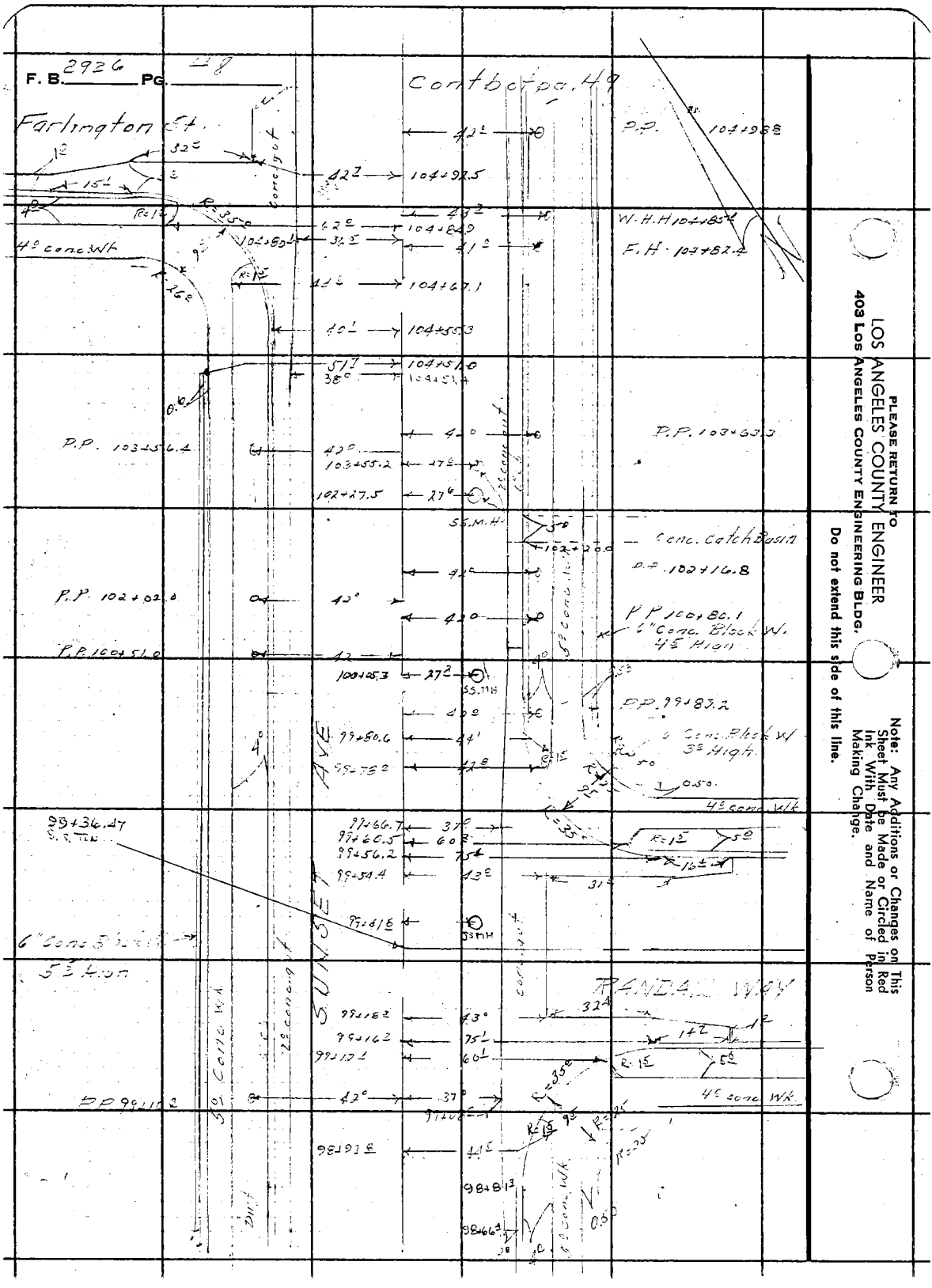
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 3-61



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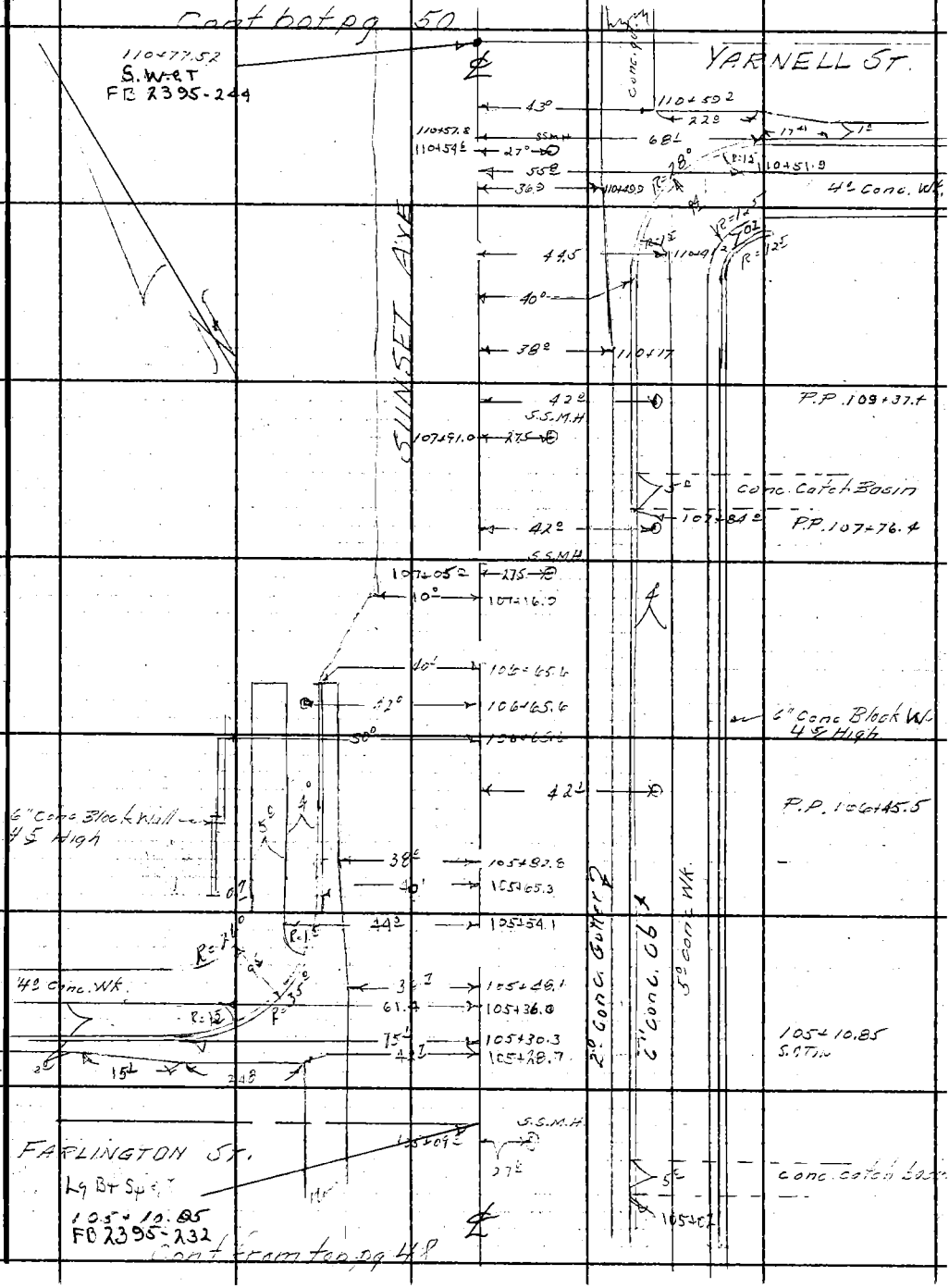
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by ____	Survey of 7th Ave & Sunset	F. B. 2926 Pg. 49
Map No. B-2791-4	JN 0695.32 Tape ____ Std ____ °F	
Office Work M. HAMASU	Surveyed by D. E. Holmes	
Checked ____	Notes A.R.R. Date 7-28-61	
Date ____	Indexed H. E. OTT APR 1 6 '62	

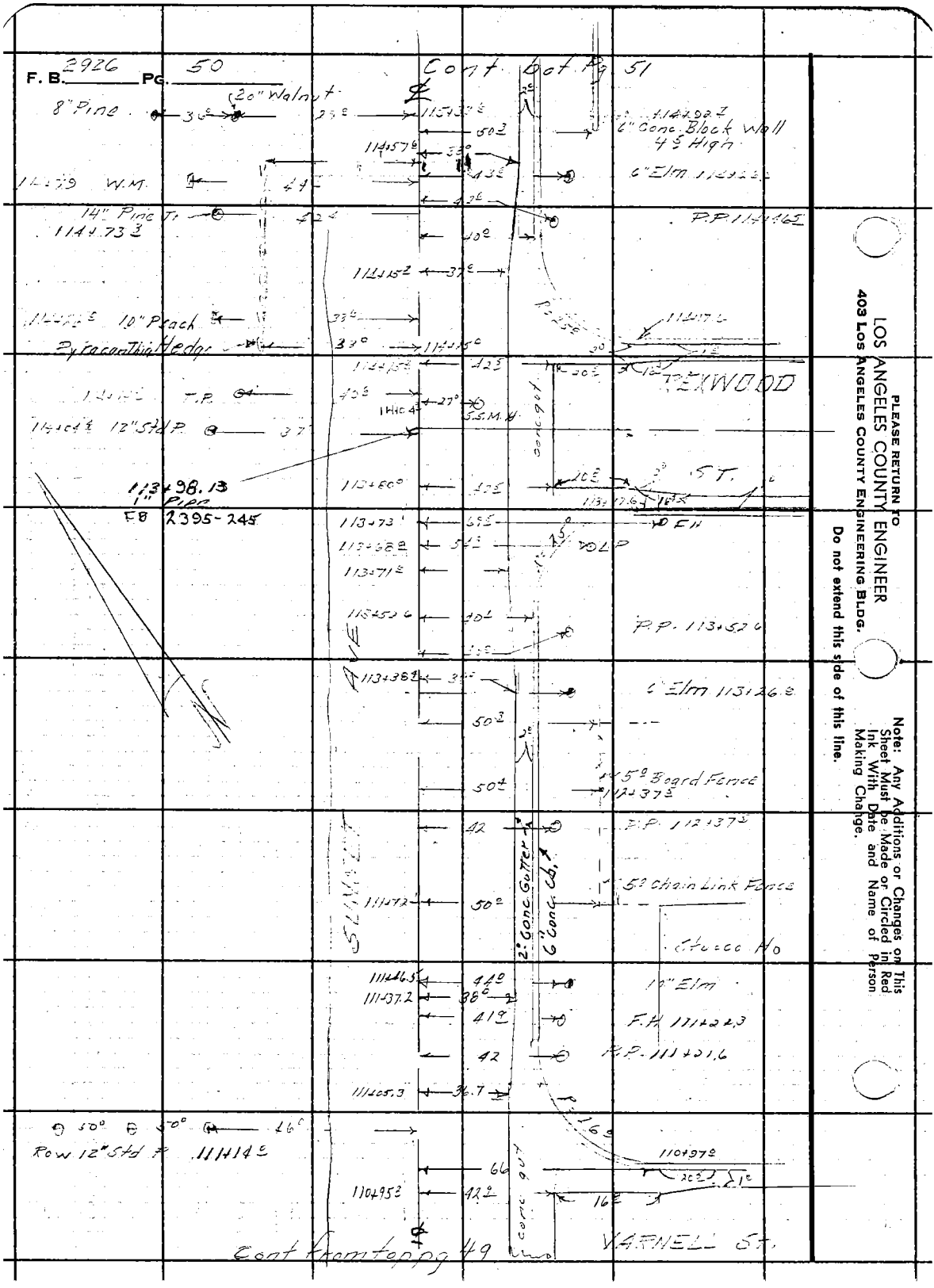


Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F3095 CE # 310 3-61



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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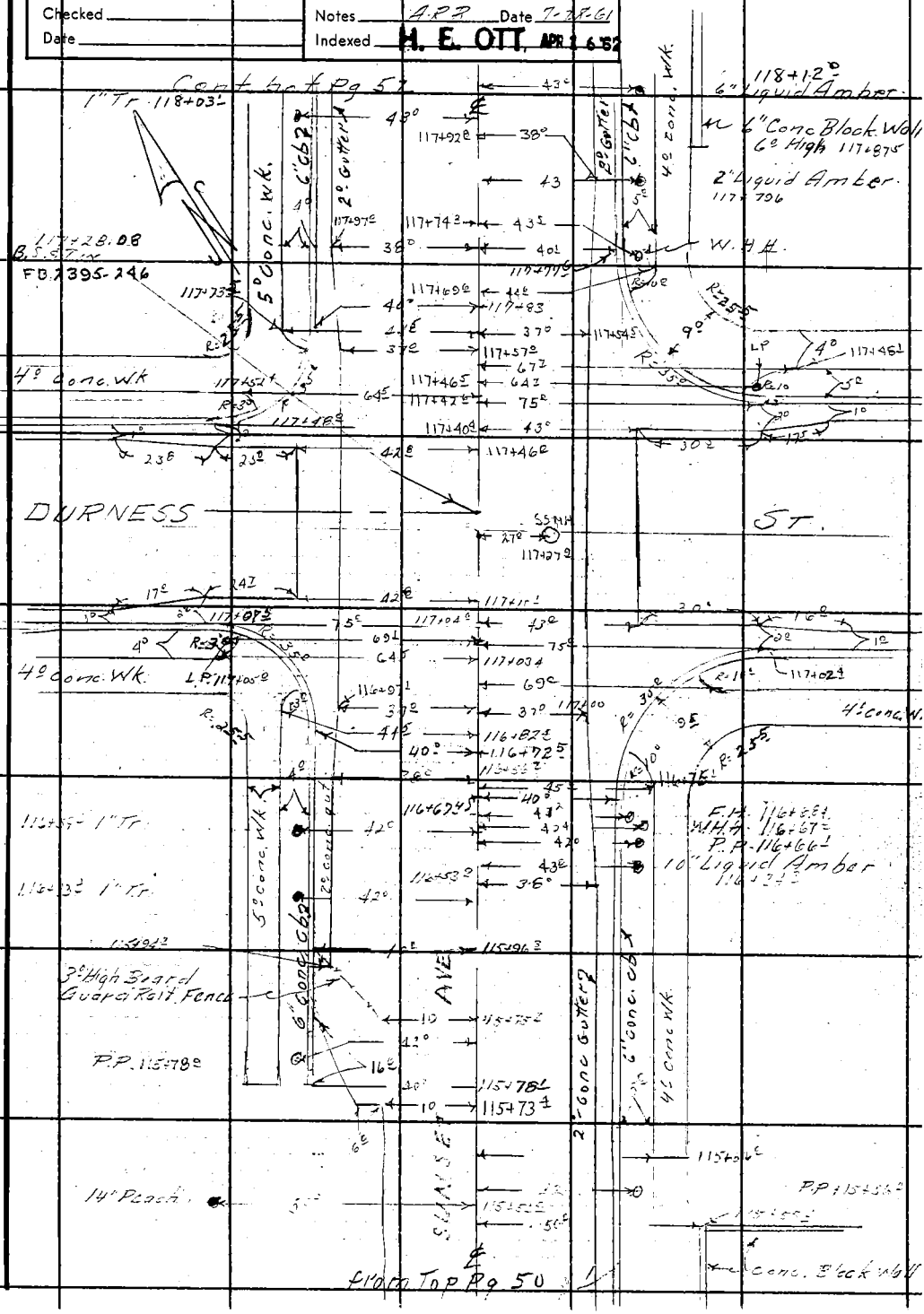
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by		Survey of 7th Ave & Sunset	F. B. 2926 PG. 51
Map No. B-2791-4		JN 0005.32 Tape Std °F	
Office Work M. HAMASU		Surveyed by D.E. Holmes	
Checked		Notes A.R.R. Date 7-28-61	
Date		Indexed H. E. OTT APR 26 '62	



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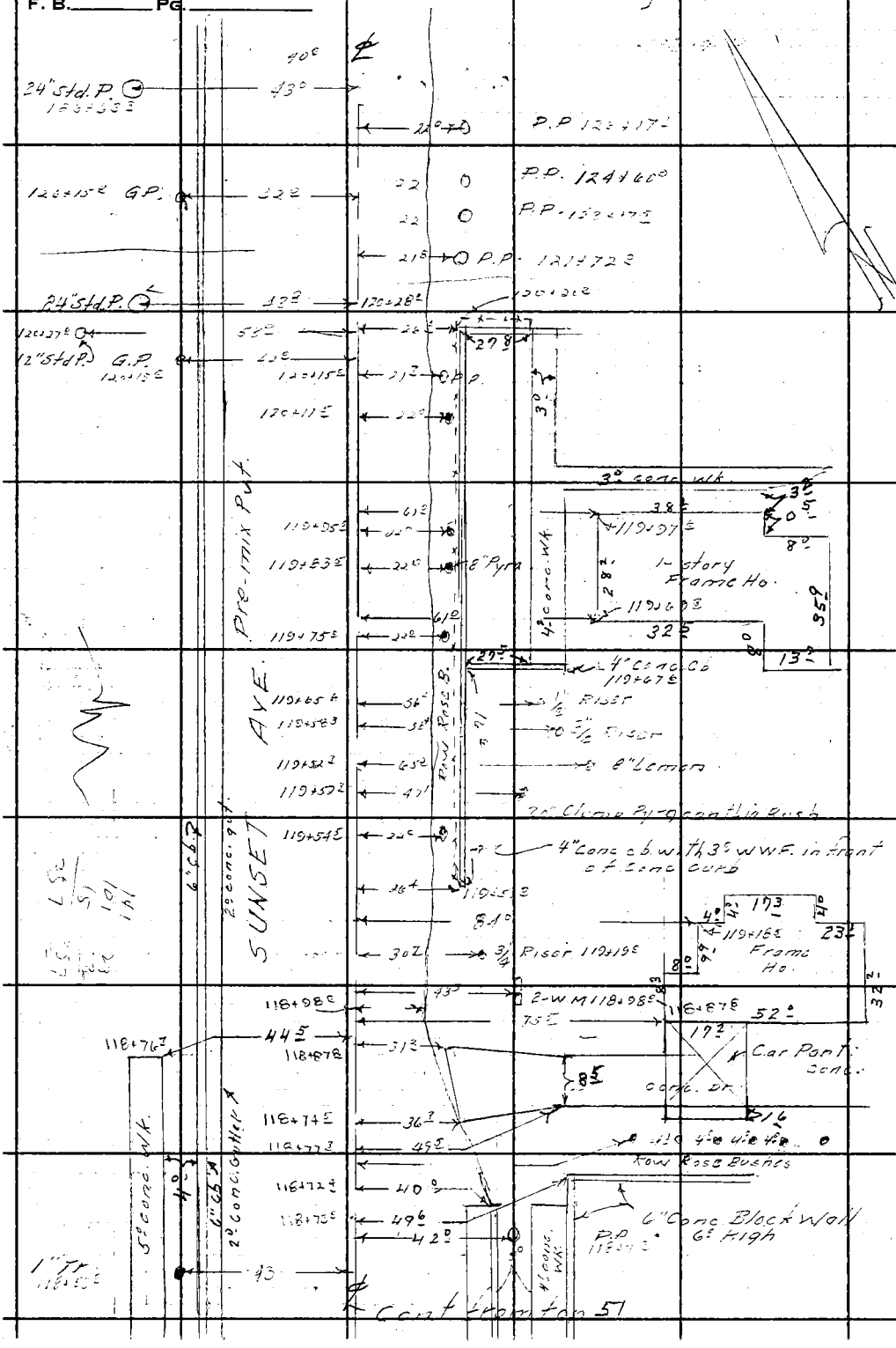
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 3-61

F. B. 2926 PG. 52

Cont on bot Pg 53



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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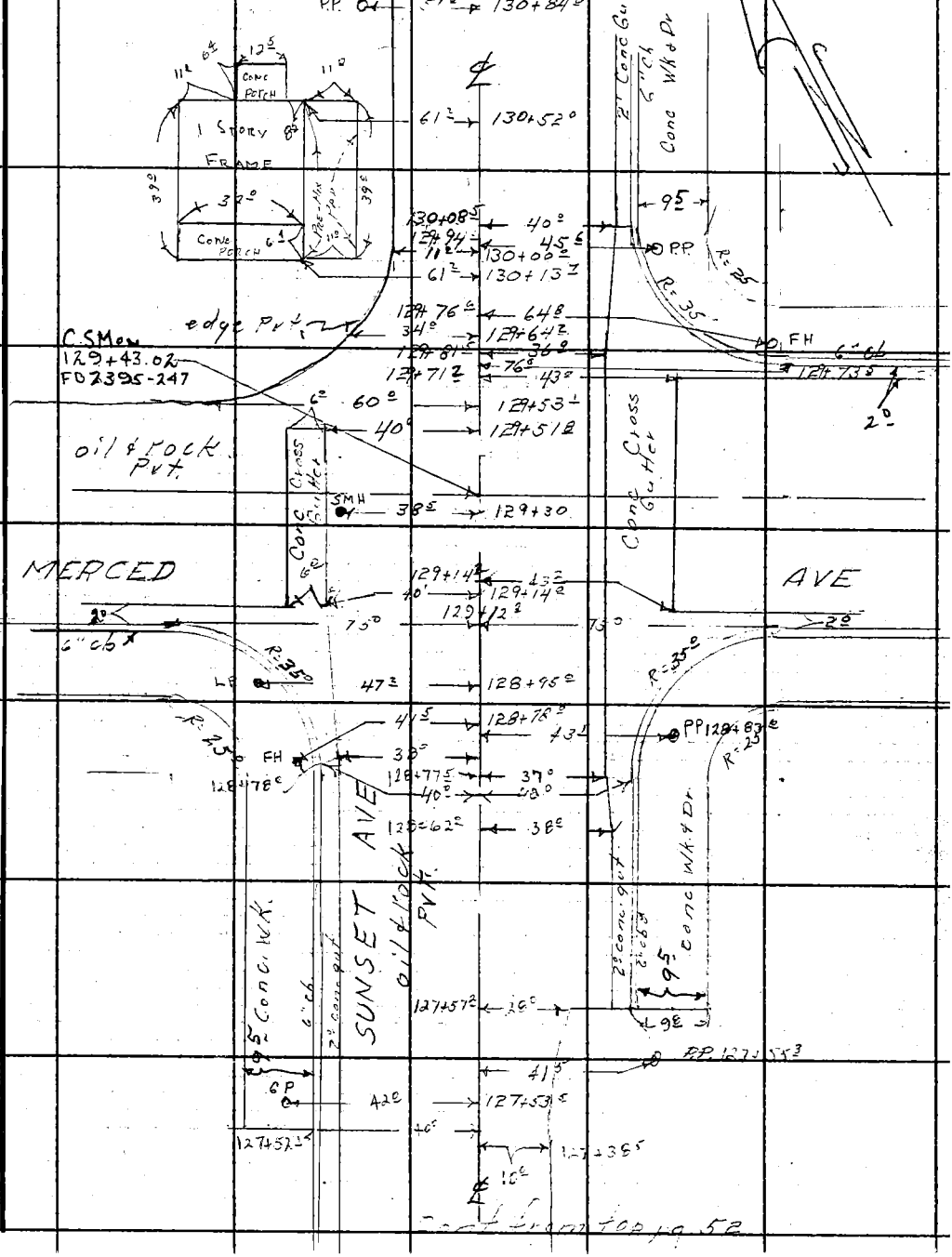
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of 7th Ave & Sunset	F. B. 2926 Pg. 53
Map No. B-2741-5	JN ____ Tape ____ Std ____ °F	
Office Work M. HAMASU	Surveyed by D. E. Holmes	
Checked	Notes ____ Date 7-28-61	
Date	Indexed H. E. OTT APR 1 6 '62	

Contd. bot. Pg. 54



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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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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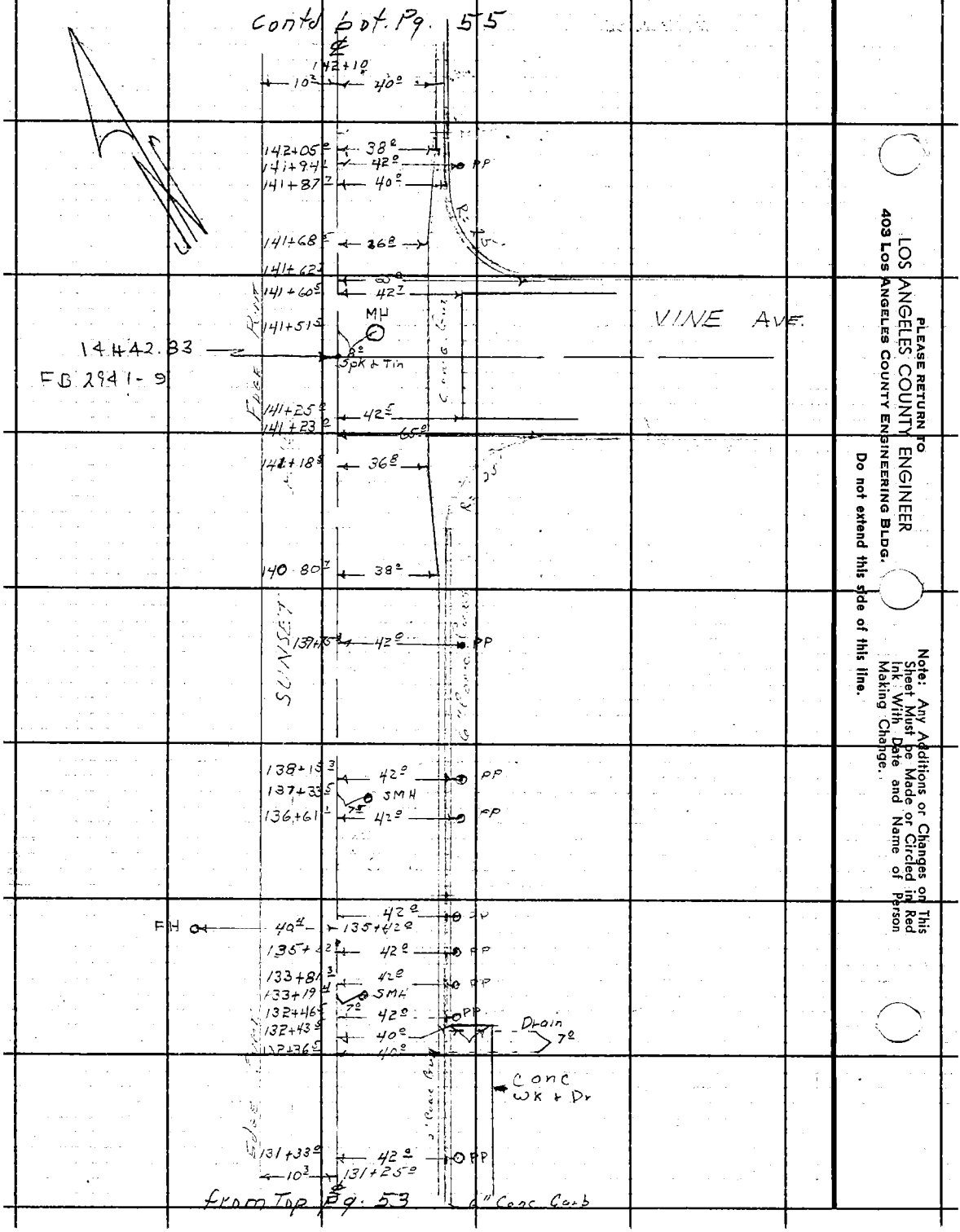
76F3095 CE # 310 3-61

F. B. 2926 Pg. 54



PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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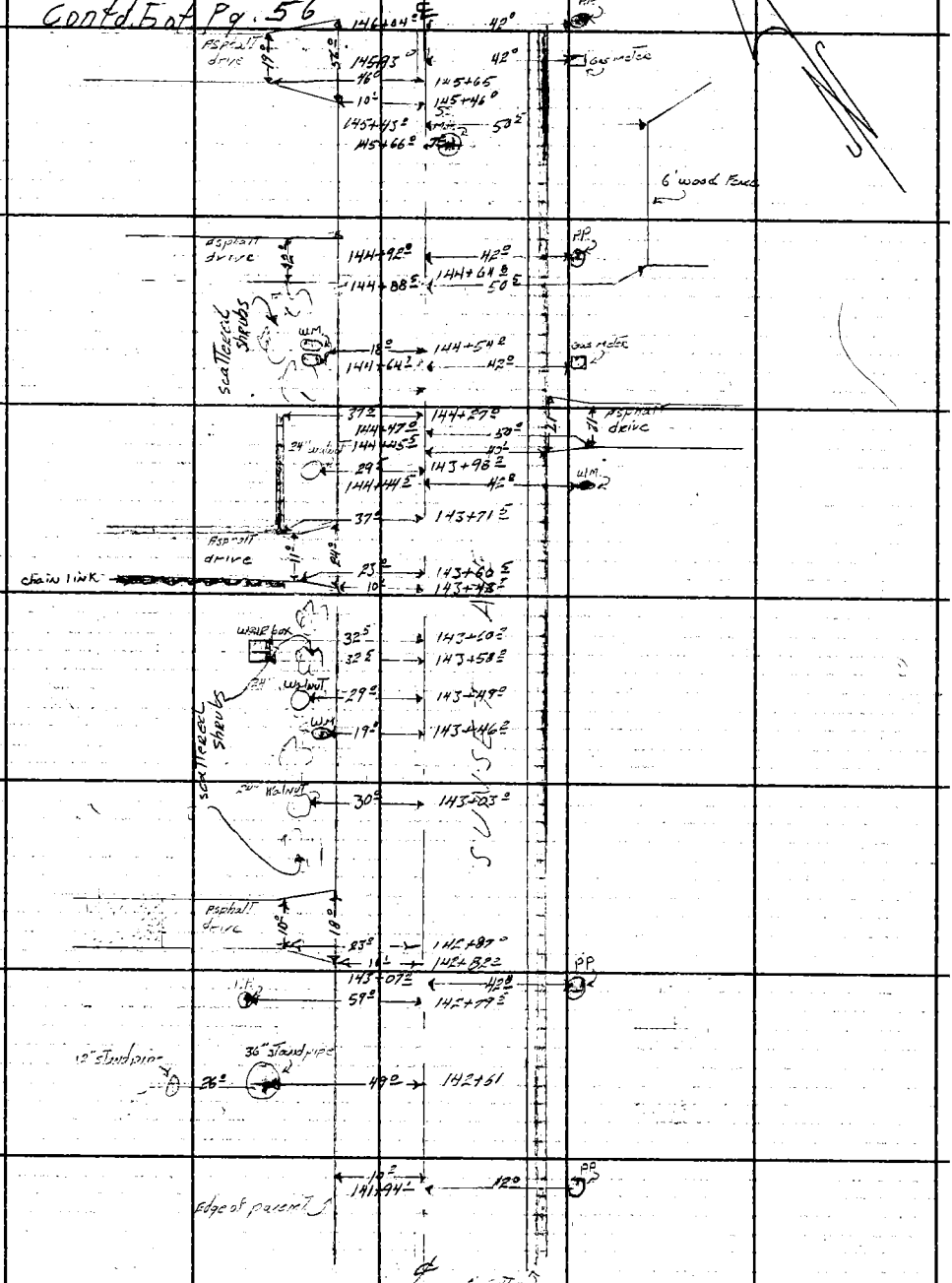
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of 7th Ave 8th Street
Map No. B-2791-5	JN [illegible] Tape ____ Std ____ °F
Office Work M. HAMASU	Surveyed by D.E. [illegible]
Checked	Notes D.L. Brown Date 11-10-61
Date	Indexed H. E. OTT APR 1 6 '62

F. B. 2926 PG. 55

Contd. Fot Pg. 56



from Top Pg. 54

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.
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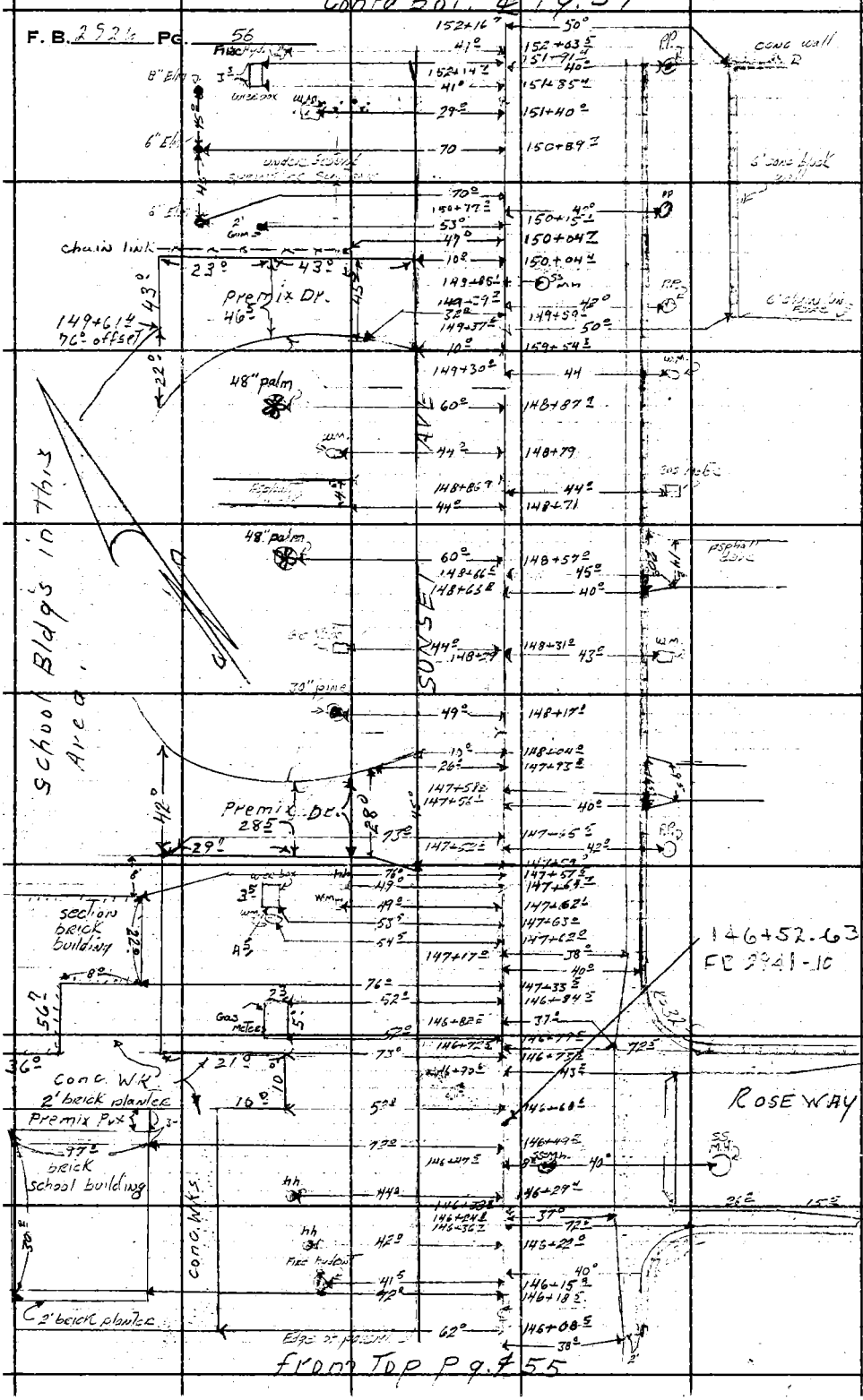
76F309S CE # 310 3-61

Contd bot. of Pg. 57

F. B. 2524 Pg. 56



LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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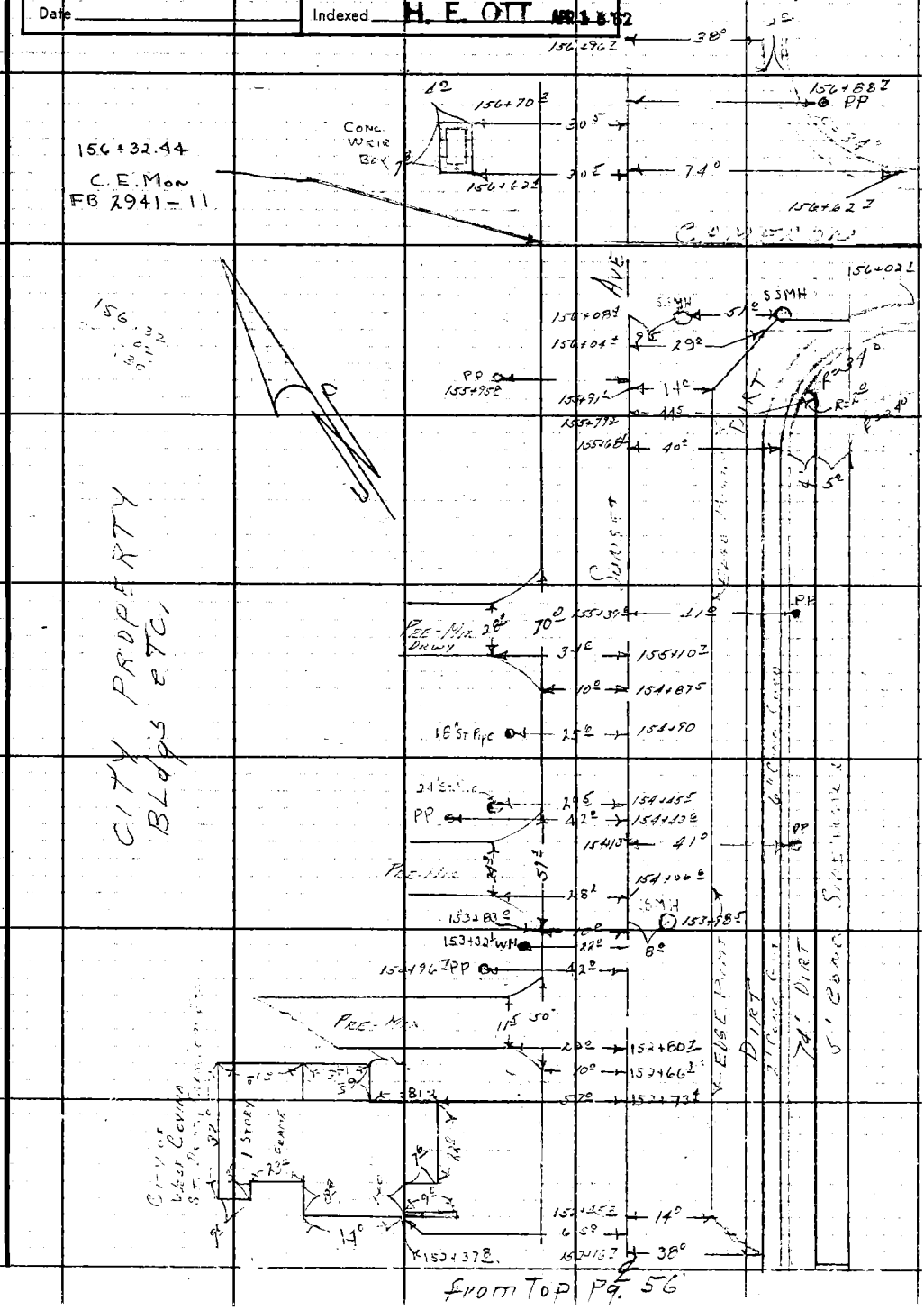
Notes: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of [illegible]	F. B. 2926 Pg. 57
Map No. B-2791-5	JN 009532 Tape ____ Std ____ °F	
Office Work M. HAMASU	Surveyed by D. E. Holmes	Contd. bot. Pg. 58
Checked	Notes M. A. H. & J. F. U. Date [illegible]	
Date	Indexed H. E. OTT APR 1 6 '62	



from Top Pg. 56

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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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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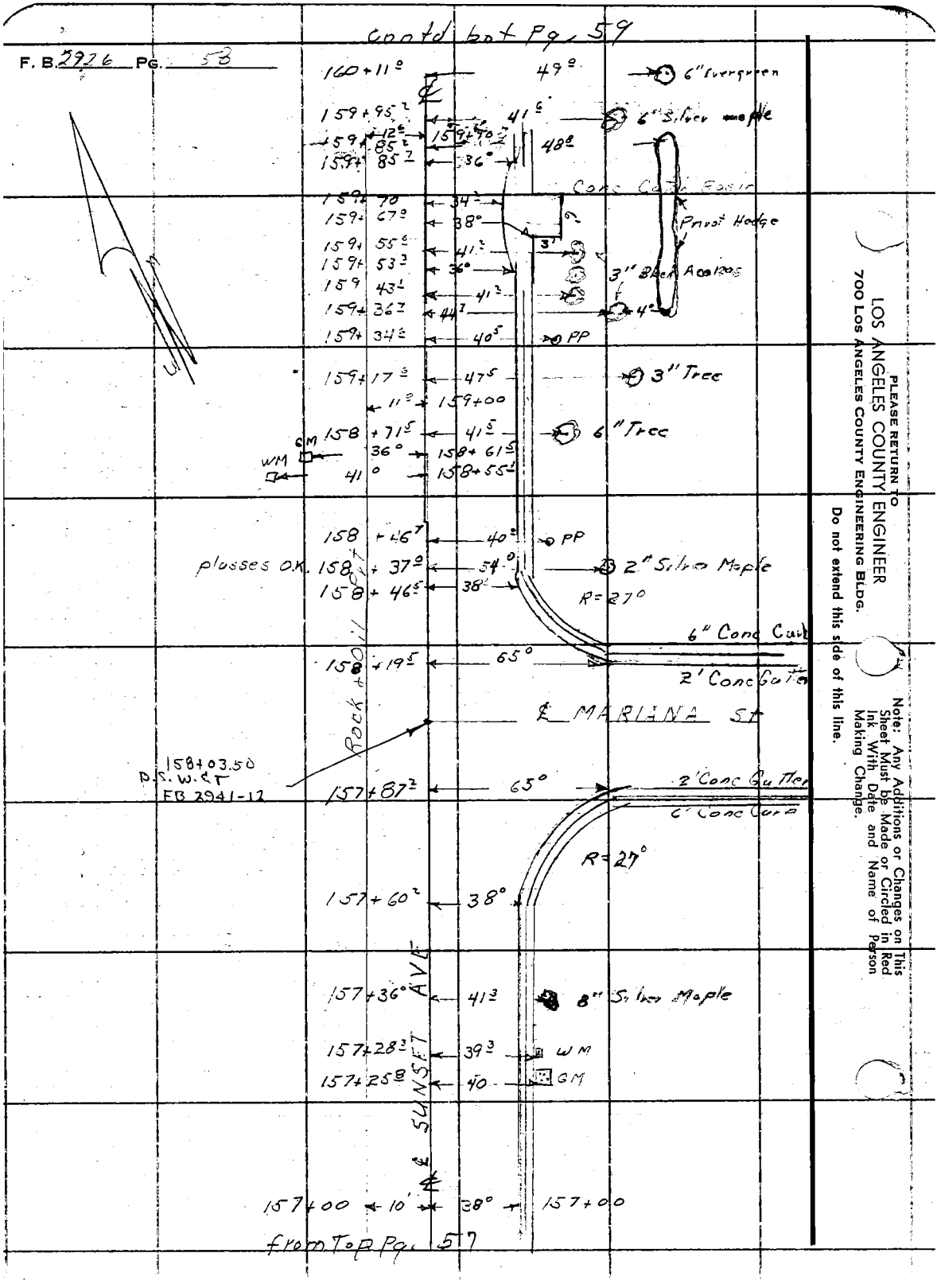
76F309S S&E #247 11-58


contd bot Pg. 59
F. B. 2926 PG. 58
160+11.0
49.0
6" Evergreen
159+95.2
41.6
6" Silver maple
159+85.2
159+90.2
48.0
159+85.7
36°
Conc Catch Basin
159+70
34.2
159+67.0
38°
Privat Hedge
159+55.6
41.2
159+53.3
36°
3" Black Acacias
159+43.1
41.3
159+36.7
44.7
4°
159+34.6
40.5
PP
159+17.3
47.5
3" Tree
11.0
159+00
158+71.5
41.5
6" Tree
GM
WM
36°
158+61.5
41°
158+55.1
158+46.7
40.0
PP
plasses O.K.
158+37.0
54.0
2" Silver Maple
158+46.5
38°
R=27°
6" Conc Curb
158+19.5
65°
2' Conc Gutter
Rock & Oil Pit
℄ MARIANA ST
158+03.50
P.S. W.&T
FB 2941-12
157+87.2
65°
2' Conc Gutter
6' Conc Curb
R=27°
157+60.2
38°
157+36°
41.3
8" Silver Maple
157+28.3
39.3
WM
157+25.8
40
GM
℄ SUNSET AVE
157+00
10'
38°
157+00
from Top Pg. 57
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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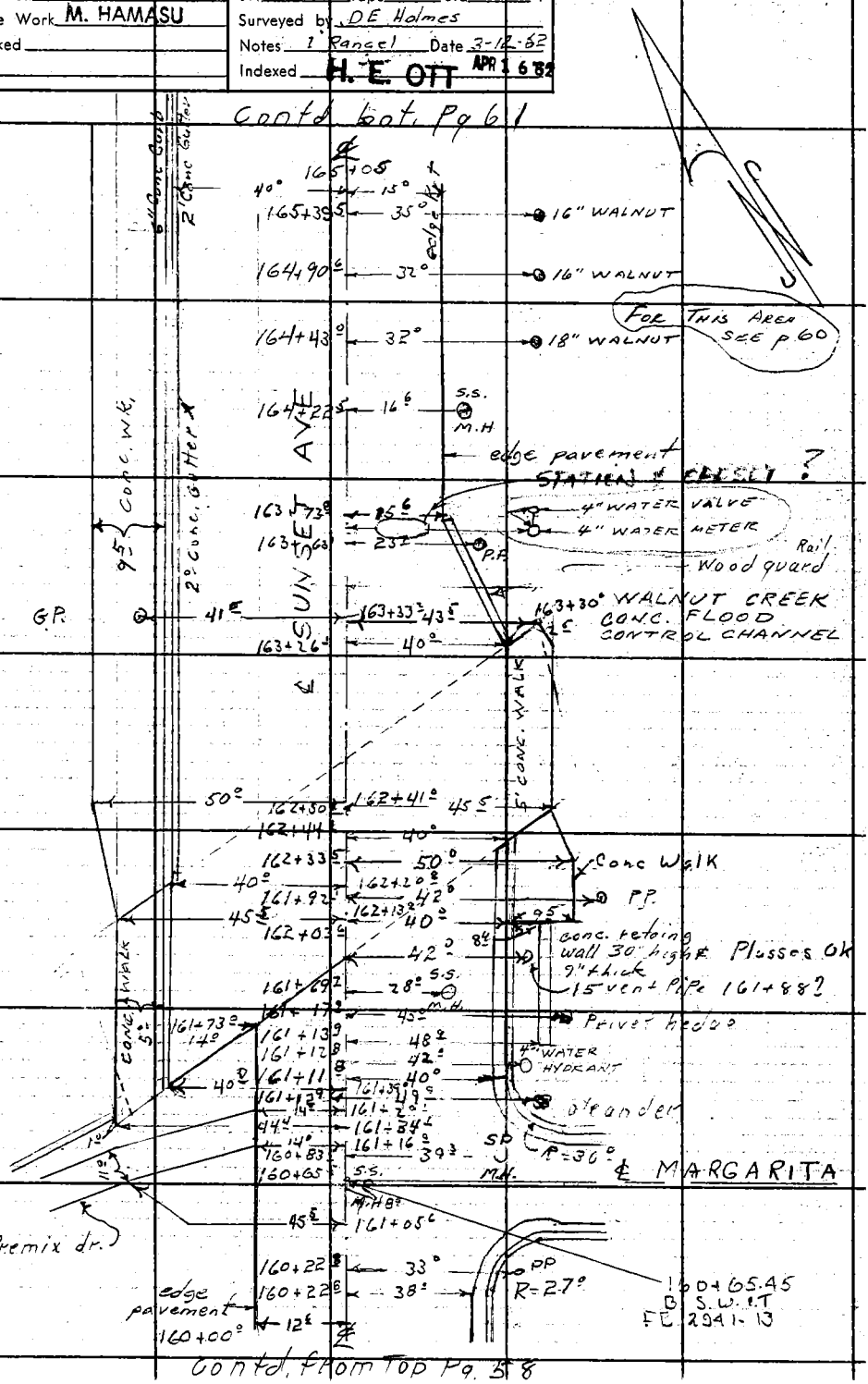
Notes Ck'd by
Map No. B-2791-5
Office Work M. HAMASU
Checked
Date

Survey of 7th & Sunset Ave.
JN 0095.32 Tape Std °F
Surveyed by DE Holmes
Notes 1' Range Date 3-12-62
Indexed H. E. OTT APR 16 62

F. B. 2926 PG. 59

Contd bot. Pg 61



Contd. from Top Pg. 58

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.
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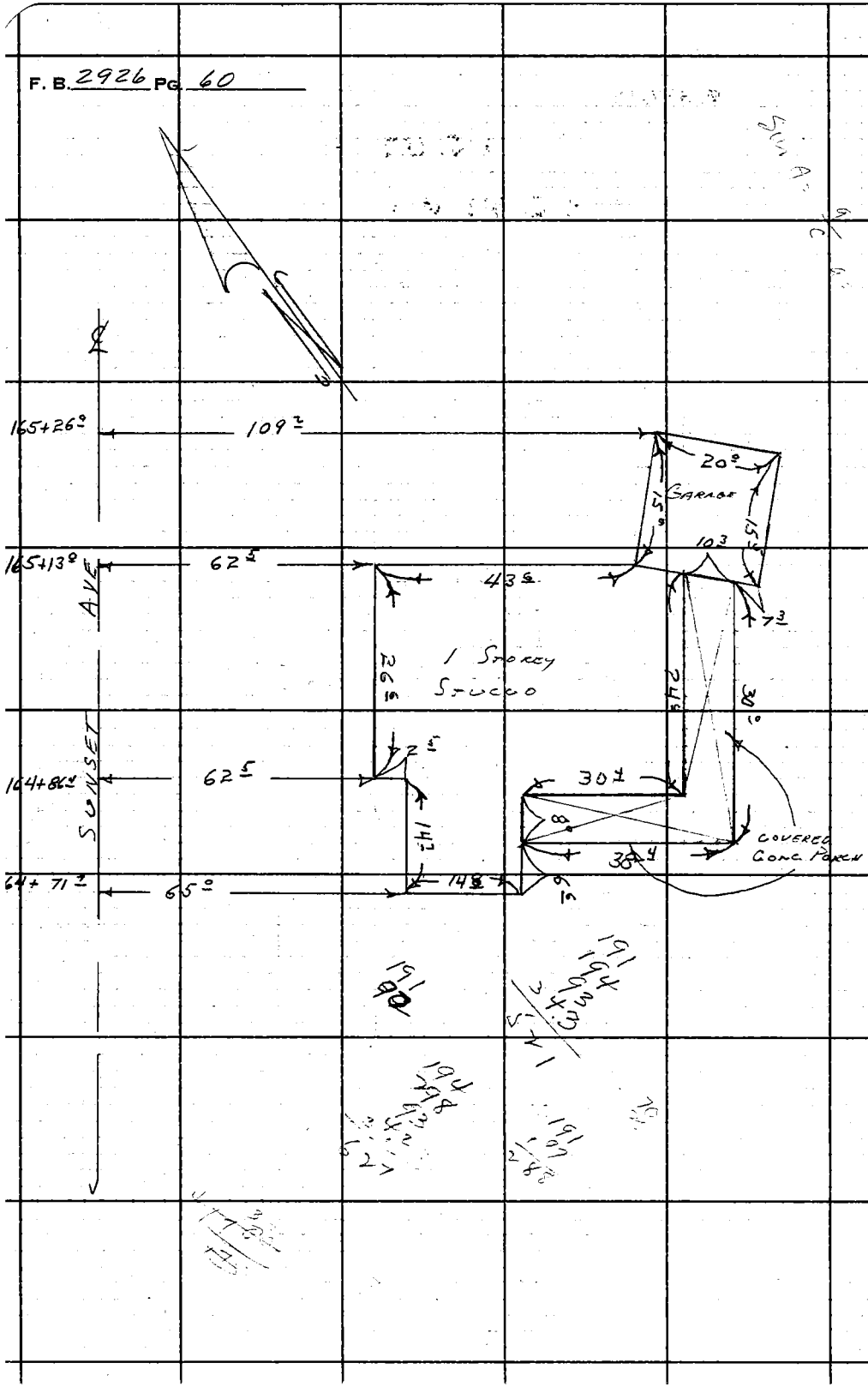
76F309S CE # 310 3-61

F. B. 2926 PG. 60



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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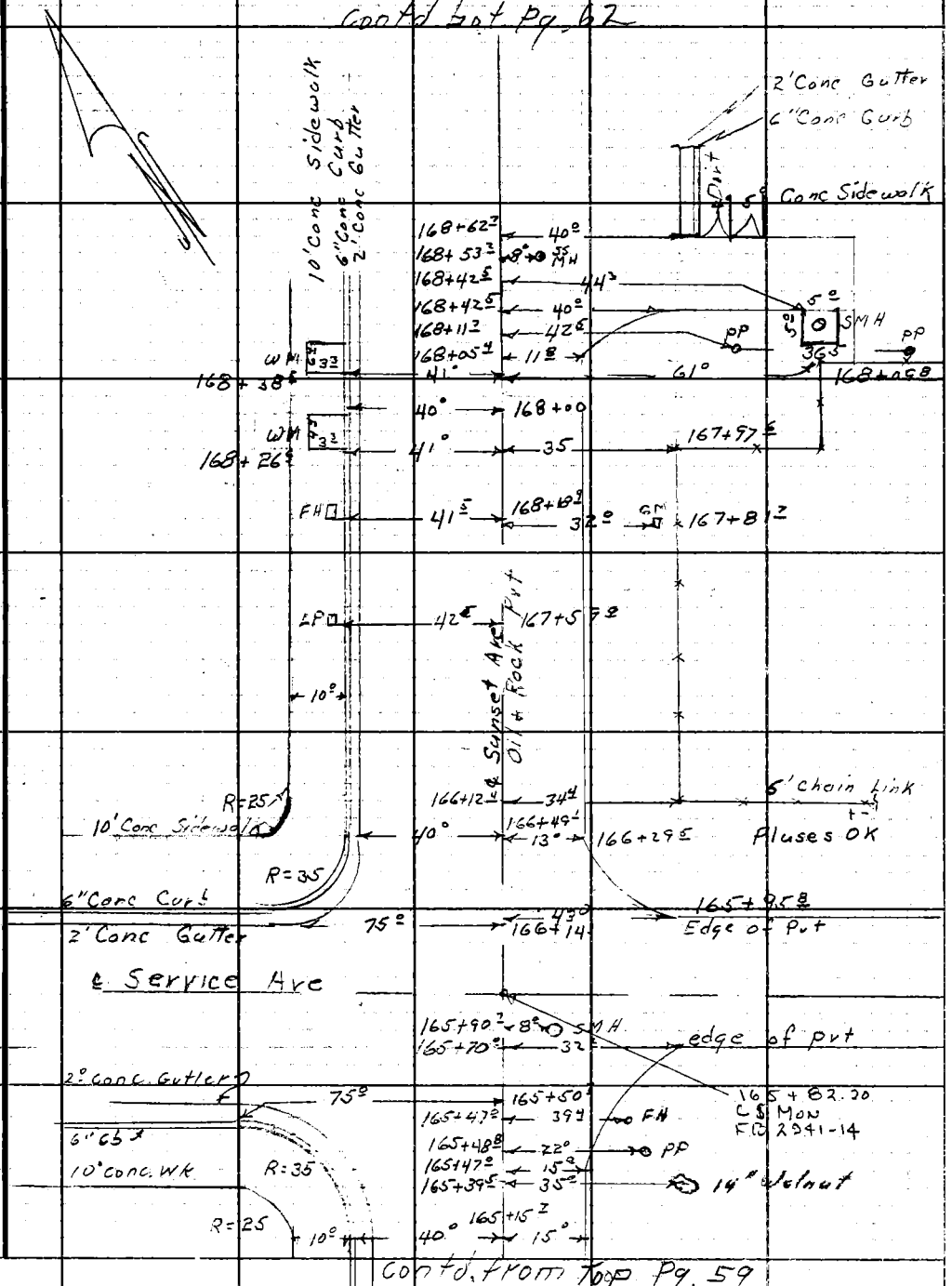
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of 7th Ave
Map No. B-2791-C	JN 00953 Tape Std °F
Office Work M. HAMASU	Surveyed by D E Holmes
Checked	Notes T Henderson Date 3-12-62
Date	Indexed H. E. OTT APR 16 '62

F. B. 2926 PG. 61

Cont'd from Pg. 62



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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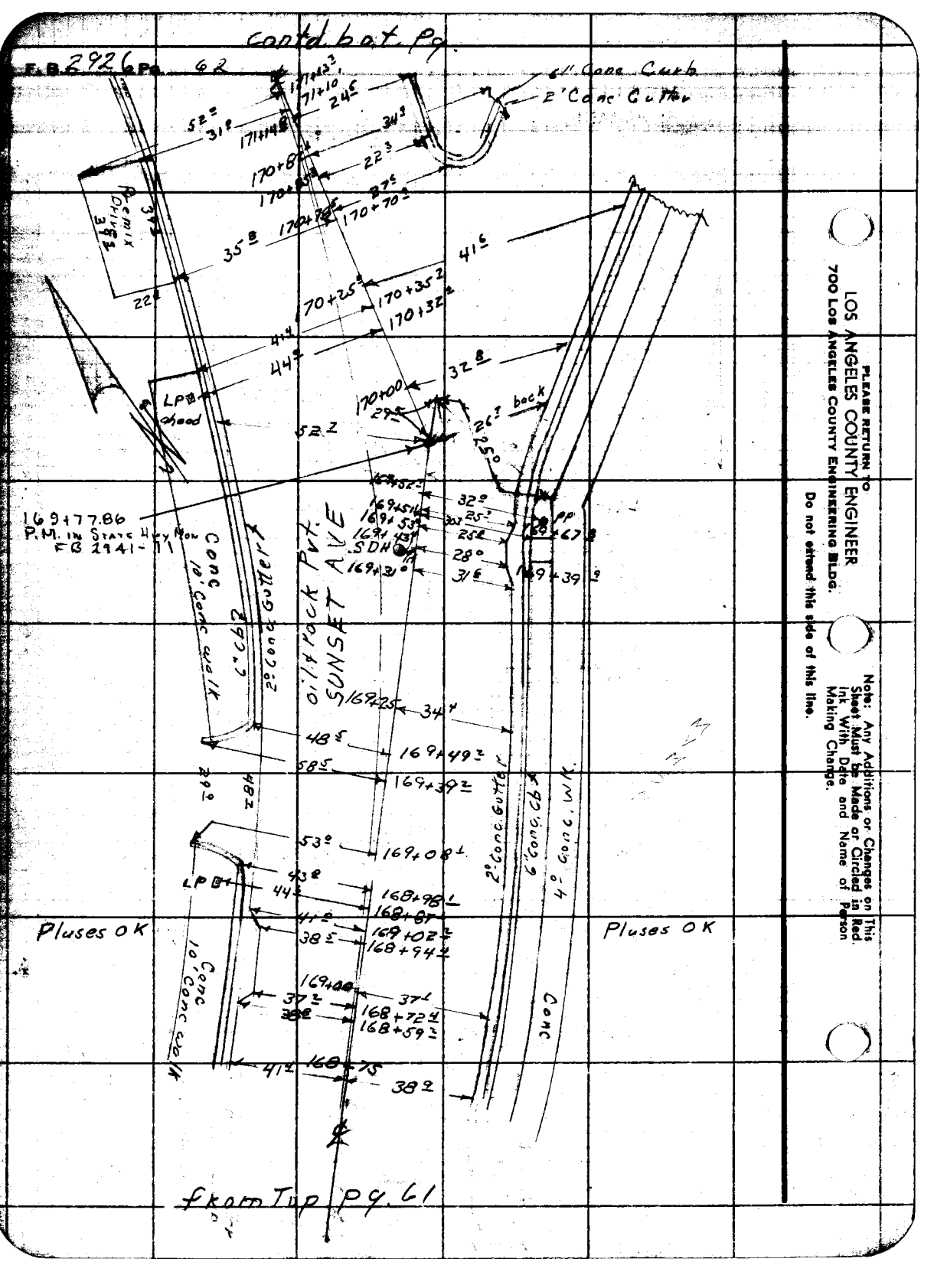
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

Contd. bot. pg.

F.B. 2926 Pg. 62



from Top pg. 61

LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
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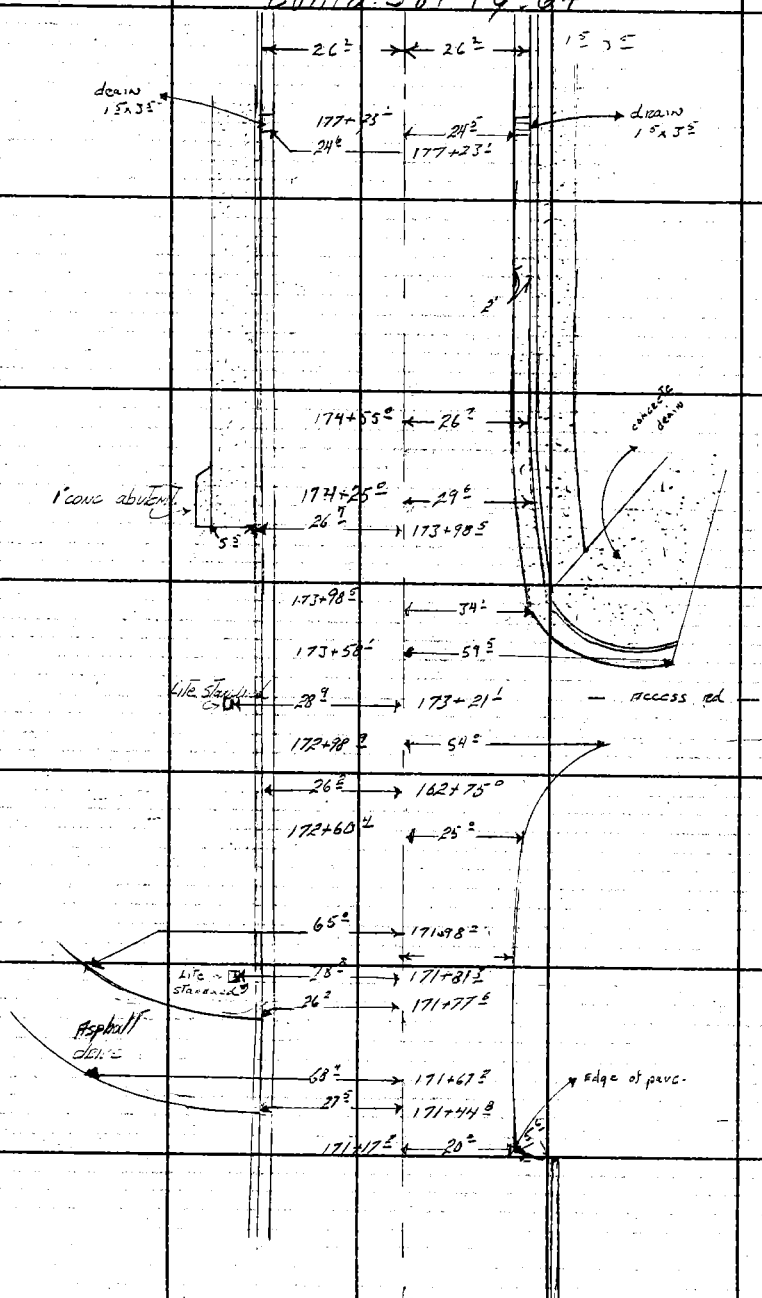
Notes Ck'd by	Survey of 7TH AVE & SUNSET AVE
Map No. B-2791-6	JN 009532 Tape ___ Std ___ °F
Office Work M. HAMASU	Surveyed by D.E. Holmes
Checked	Notes DK Brown Date 3-15-62
Date	Indexed H. E. OTT APR 16 '62

F. B. 2926 PG. 63

Contd. bot Pg. 64



from Top Pg. 62

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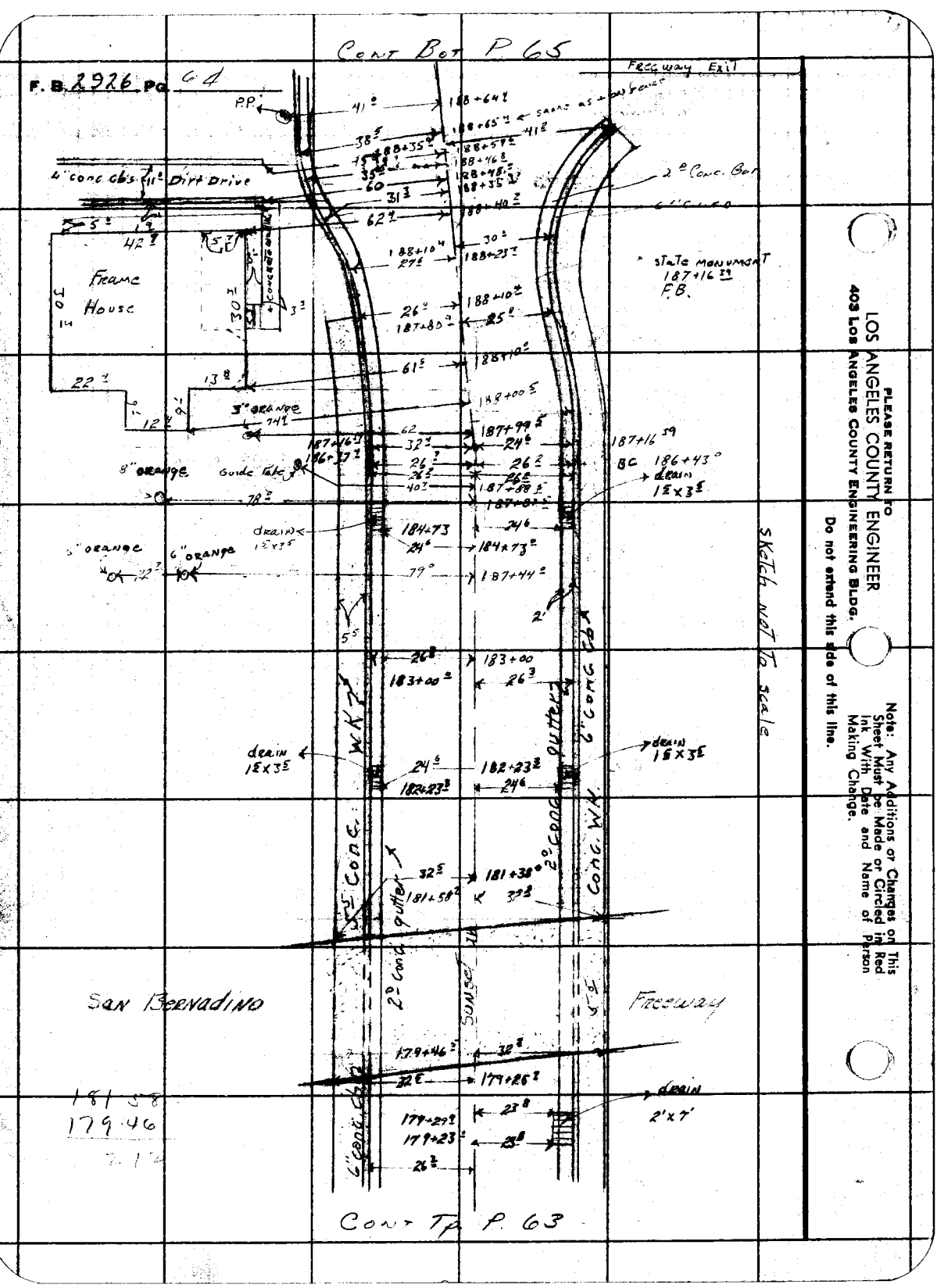
76F3095 CE # 310 3-61



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Notes Ck'd by
Map No. B-2791-6
Office Work M. HAMASU
Checked
Date

Survey of 7th Ave & Sunset Ave
JN 0095.32 Tape Std °F
Surveyed by D.E. Holmes
Notes M. Alvarado Date 7-15-62
Indexed H. E. OTT

F. B. 2926 Pg. 65

Cont Bor P66

Edge Pavt.
4°
6.0
PP
20°
194+08.0
9.5
194+03.7
50°
16" Ash 194+12.2
193+96.5
32 Conc. Sidewalk
193+85.0 24" Ash
193+53.5 22" Ash
193+17.4 24" Ash
38°
42.5
41.4
46°
6.12
193+81.7
193+45.6
14" Ash
193+96.7 SS.MH
18" Ash 192+82.3
192+86.0 22" Ash
24°
50°
38°
192+79.0
192+67.2
PP
39.5
37°
193+64.0
192+63.0
192+49.0 24" Ash
40°
R=38.0
78°
192+27.3
192+20.0 20" Ash
42.5
192+22.7
43°
10" Gut
Workman
B.F.T
FB 2941-75
192+0
38°
1' Gut
191+85.9
192+0 20" Ash
191+86.4
42.5
43°
S.S.M.H
191+69.1
12°
73°
191+84.6
Sunset Ave
191+54.9 20" Ash
42.5
41°
F.H. 191+54.2
191+37.2
PP
119+35.6
37°
40°
191+51.6
4' Conc.
39°
41°
S.P. 191+39.8
Sidewalk 191+34.2
46°
50°
20" Ash 191+35.8
191+20.5
Pre-Mix
45°
38°
191+34.7
191+02.7
38°
50°
24" Ash 190+78.8
190+64.2
36°
40°
Conc. Sidewalk
190+69.2
Catch Basin 2'x3.5
36°
190+58.6
190+45.0
38°
50°
24" Ash 190+29.8
Catch Basins 2'x3.5
36°
190+12.8
190+13.9
R=25
72.5
Conc. Sidewalk
36°
190+37.0
40°
7°
2°
190+12.0
Workman
1' Gut
190+13.1
1' Gut
189+79.4
40°
SS.M.H 188+69.5
189+77.1
R=37.0
77°
37°
189+74.6
Catch Basins 2'x3.5
L.C.F. S.D.S.T
FB 2941-74
189+97.88
38°
37°
189+58.6
6" Conc. Curb
2' Conc. Gutter
R=45°
50°
189+30.8
5' Board Fnc.
38°
85°
189+11.2
6" Conc. Curb
2' Conc. Gut.
S.P.W. & T.
FB 2941-73
188+85.10
188+54
Cont Tp p64

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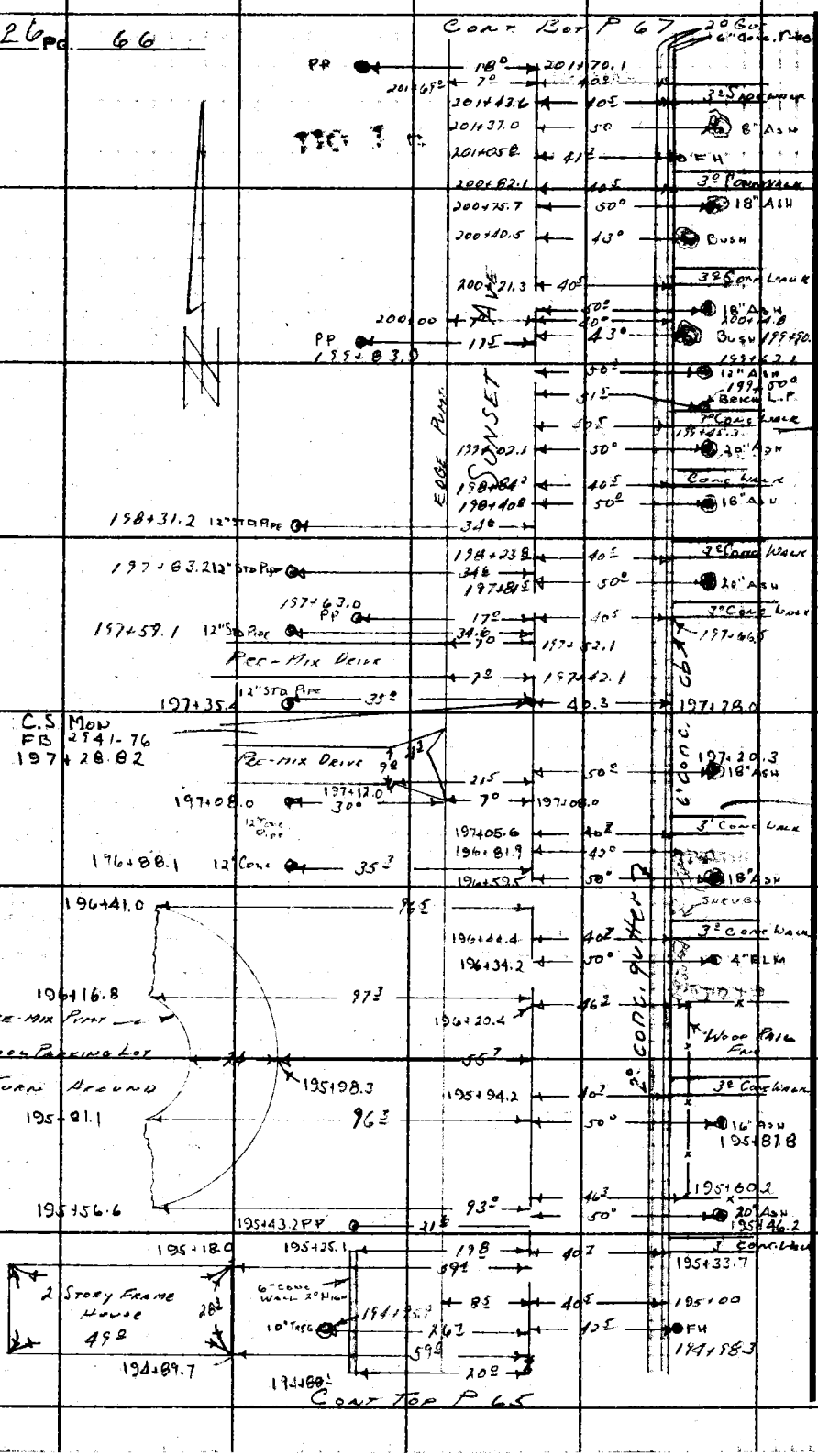
F. B. 2926 PG. 66



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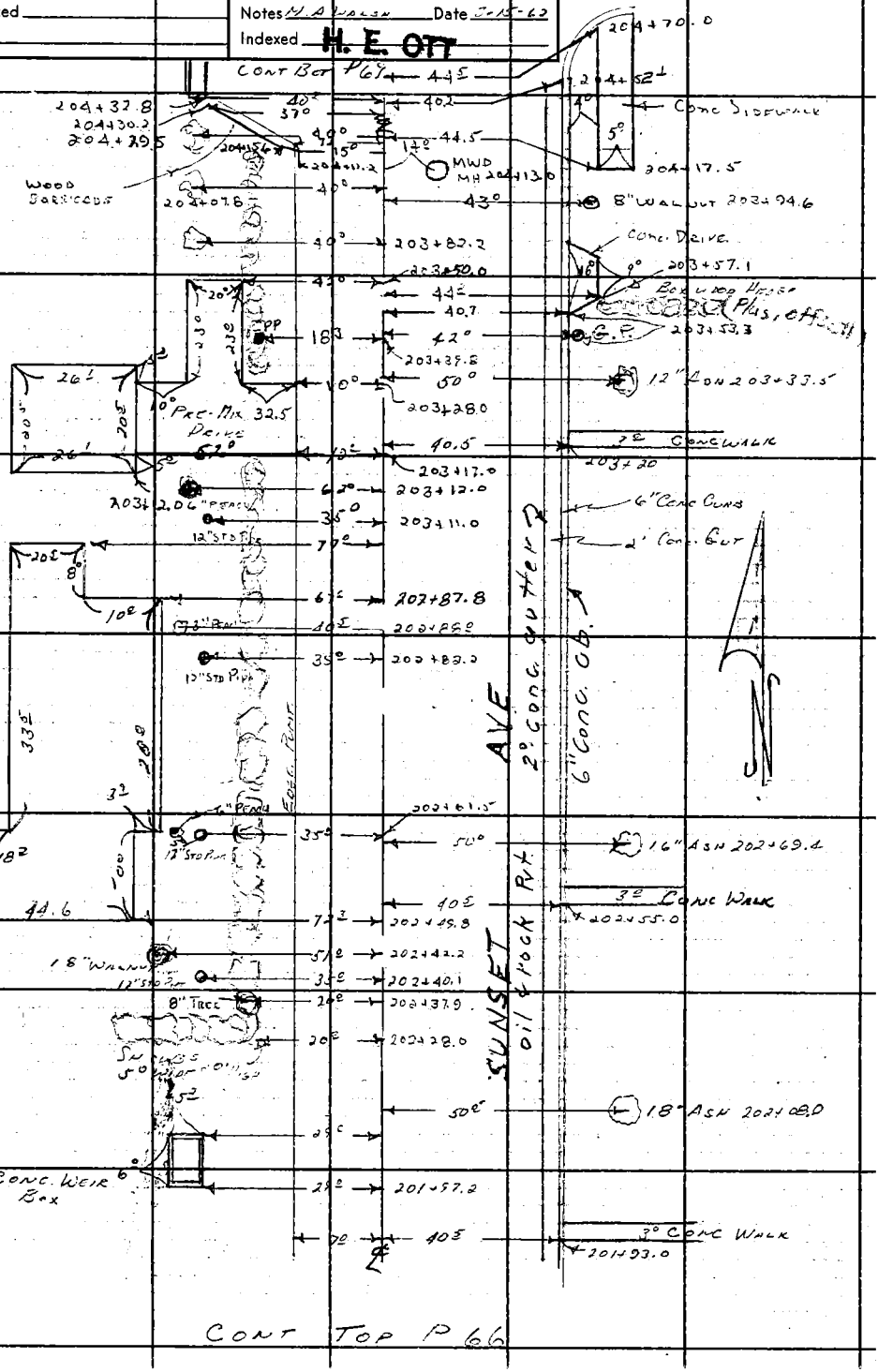
Map No. B-2791-6
Office Work M. HAMASU
Checked
Date

Survey of 7th AVE & SUNSET AVE
JN 0095 32 Tape Std °F
Surveyed by D.E. HOLMES
Notes H. A. NELSON Date 3-15-62
Indexed H. E. OTT

F. B 2926 PG. 67



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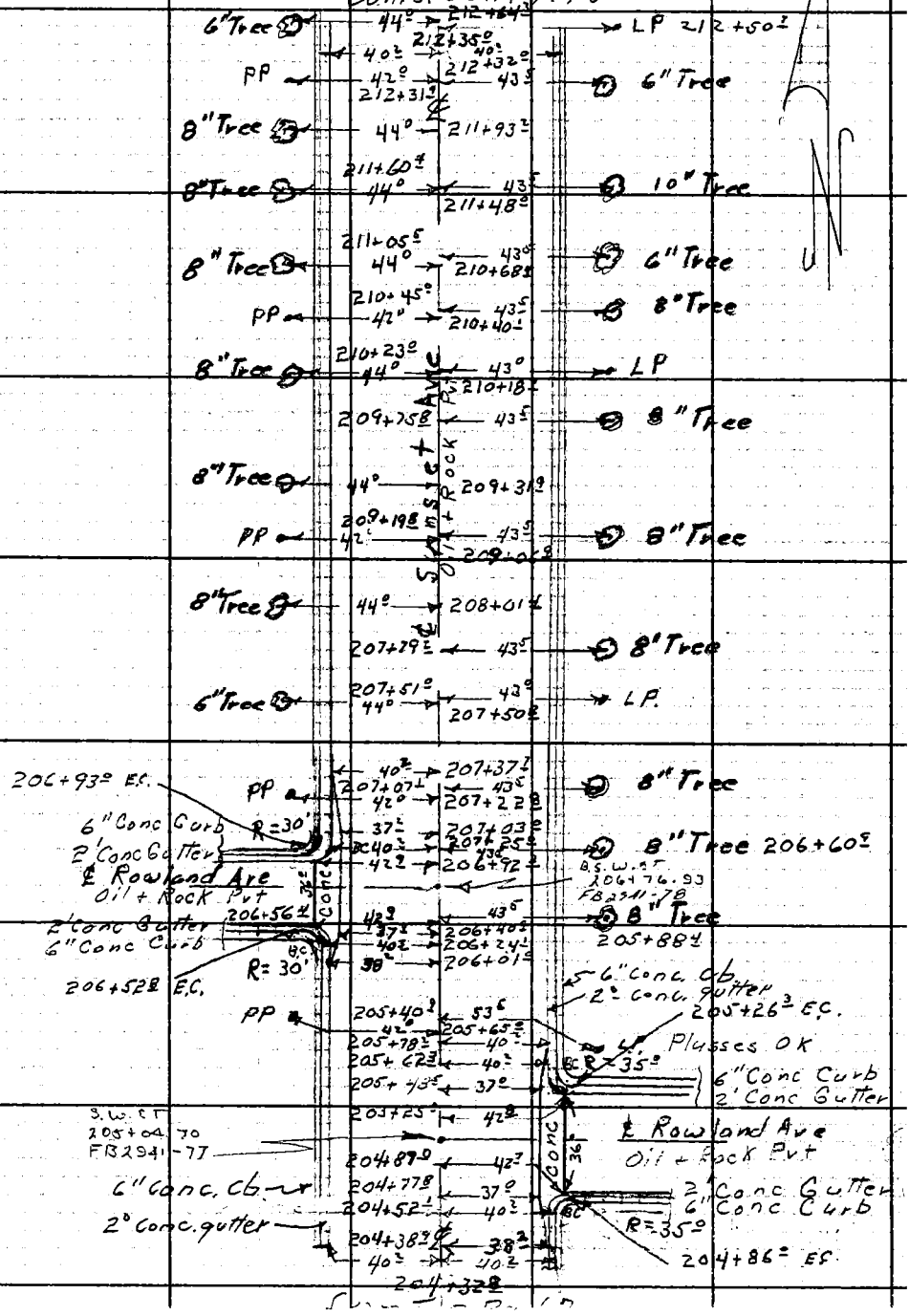
FINAL

F. B. 2926 Pg. 68

Notes Ck'd by	Survey of 7th + Sunset Ave	F. B. 2926 PG. 69
Map No. B-2791-6	JN Tape Std °F	
Office Work M. HAMASU	Surveyed by DE Holmes	
Checked	Notes JF Henderson Date 3-14-62	
Date	Indexed H. E. OTT	

Contd. bot. Pg. 70



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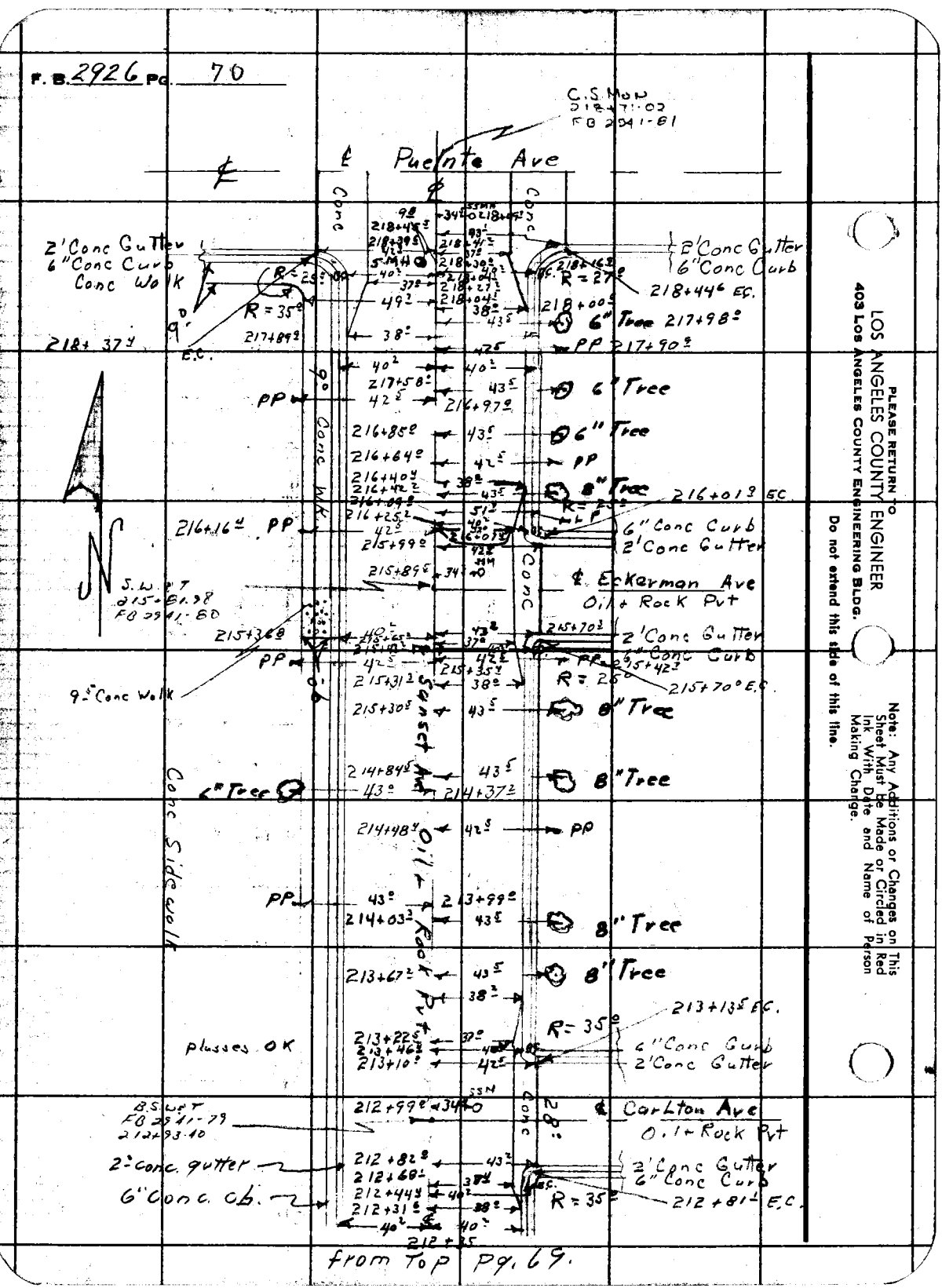
F. B. 2926 Pg. 70



from Top Pg. 69.

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Notes Ck'd by	Survey of SEVENTH AVE EXT	F. B. 2926 PG. 75
Map No.	JN 0095 58 Tape 107 Std 8 1 °F	
Office Work	Surveyed by U.H. Brown	
Checked	Notes U.H.B. Date 1 64	
Date	Indexed C. J. GALLI FEB 21 '64	

J.N 0095.58

SEVENTH AVENUE EXTENSION
PHOTOGRAMMETRY CHECK

from
TURNBULL CN RD @ E BDRY WHITTIER
N.E. to
ORANGE GROVE & SEVENTH AVE

JAN 1964

PARTY:
U.H. Brown
T.C. Peterson
A. CARO
R.C. CLIFFORD
R.L. STICH

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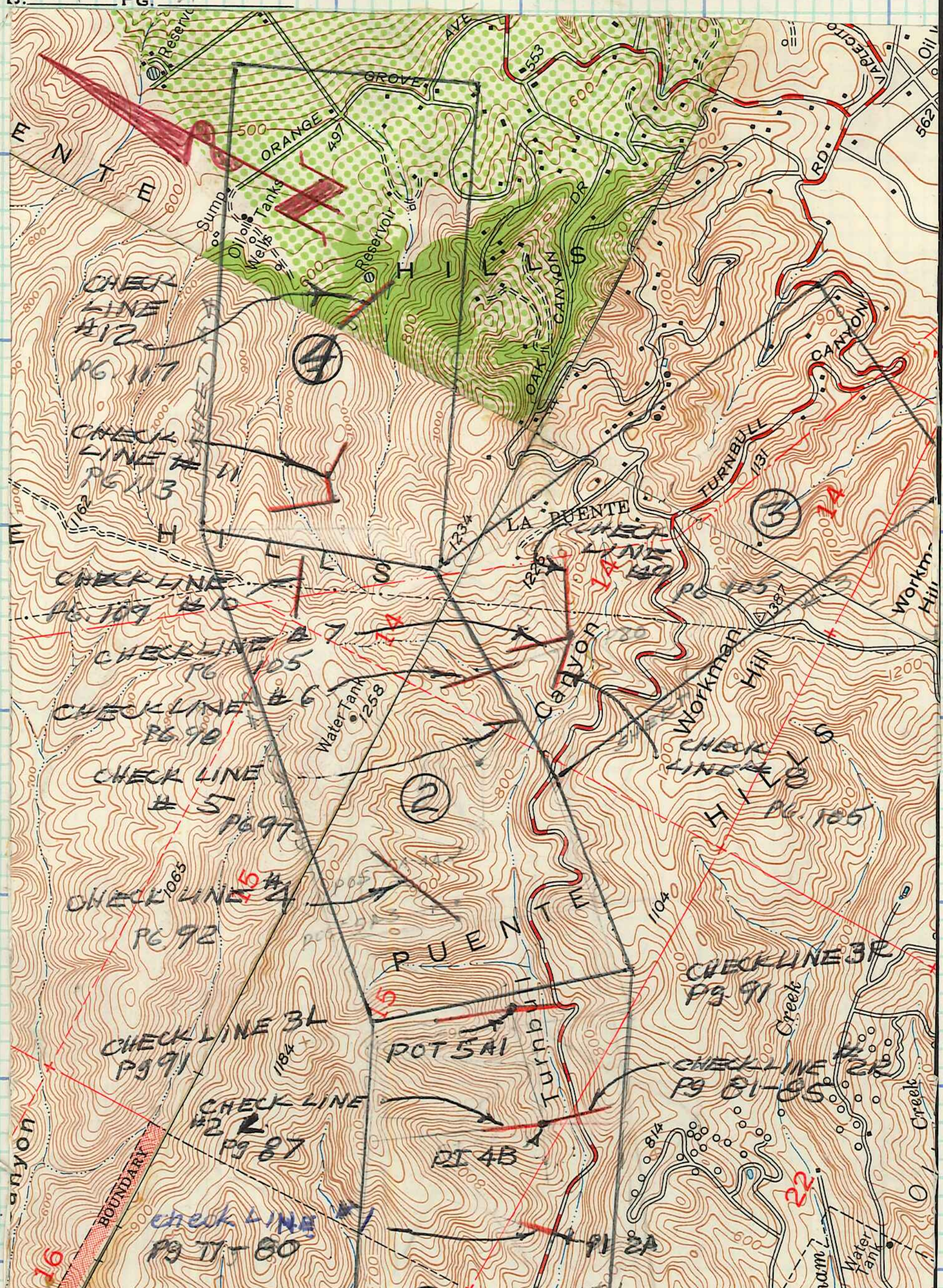
76F309S CE #310 6-62

F. B. 2926 Pg. 76



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Notes Ck'd by	Survey of SEVENTH AVE EXT	F. B. 2926 PG. 77
Map No.	JN 0095.58 Tape 102 Std 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J.H.B. Date 1-64	
Date	Indexed C. J. GALLI FEB 21 '64	

SEVENTH AVE EXT (PHOTOGRAMMETRY CHECK)

CONTROL FOR PROFILE LINE #1 SHEET #1

π @ B, H.I. = +4.55
ROD @ A = -4.55

-D = 18° 40' 40
-R = 18 41 40 } -18° 41 10

π @ A H.I. = 5.27
ROD @ B = 5.27

+D = 18° 41' 20"
+R = 18 37 00 } +18° 39' 10"

AVG = 18° 40' 10"

π @ B H.I. = 4.55
Rod @ C = 4.55

D = 24° 30' 20"
R = 24 32 00 } 24° 31' 10

π @ C H.I. = 5.50
ROD @ B = 5.50

D = 24° 30' 50"
R = 24 27 30 } 24° 29' 10"

AVG = 24° 30' 10"

5+14

Set 1X2 flush
Elev = 725.5
(calc)

(B)

1) 50 26 40
2) 100 53 30
Avg) 50 26 ~~45~~ 50
adj.

See NEXT PAGE (78)
FOR CALC.

(A)

1) 44° 07' 30"
2) 88° 15' 00"
Avg) 44° 07' 30"

TBM.
ELEV. = 527.28
page 79
set cem
nail flush
ON LINE

B

a = 409.64 calc
PROFILE LINE #1

c = 586.50 calc

(C)

(C)

1) 85° 25' 40"
2) 170° 51' 20"
Avg) 85° 25' 40"

(A)

b = 453.66
FB 2941-226
TURNBULL CN RD

156.78

610.44

156.80 (T=60) Lev = 156.78
453.73 (T=60) Lev = 453.66

Fd. C.E MON. DN 8"
MARKED PI 2A
per FB 2941-227

BM #25 Elev = 538.06
per FB 2941-246

Fd. C.E MON DN 10"
MARKED "P.I. 1 per FB 2941-226

BM #26 ELEV = 522.53
per FB 2941-246.

Elev OF PVMT USED
FOR HI & FOR ROD
= 538.68

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76F3095 CE #310 6-62

F.B. 2986 PG 78

CALC. FOR CONTROL LINE:
PAGE

$a = \frac{453.66 \times \sin 44^\circ 07' 30}{\sin 50^\circ 26' 50''} = 409.64$

$c = \frac{453.66 \times \sin 85^\circ 25' 40}{\sin 50^\circ 26' 50''} = 586.50$

HI - ROD = 0.00

586.50 X tan 18° 40' 10" = 198.17
Elev A = 527.28
Elev B = 725.45

409.64 X tan 24° 30' 10" = 186.71
Elev @ (PVMT) = 538.68
ELEV. B = 725.39

Avg Elev B = 725.4

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76-298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
	SEVENTH AVE EXTENSION J.N. 0095.58 PROFILE CHECK LINE #1 SHEET #1					
BM #26	8 07	530 60		522 53	BM #26 ELEV = 522.528 PER FB 2941-246 TURNBULL CN RD. 376' E OF E BDRY OF CITY OF WHITTIER. S.W. SIDE OF C.E MON DN 10" IN HAND HOLE. P.I. 1 FB 2941-226. SEE PAGE 77 THIS FB (2926)	TRANSIT
			7 34	523 26	PVMT @ BM #26	
TBM	8 00	535 28	3 32	527 28	TBM. cem nail & tin 156.78' E of PI.1 as shown pg. 77	
T.P.	8 94	543 12	1 10	534 18	nail & tin in pvmt	
BM #25			5 08	538 04	BM #25 ELEV = 538.056 PER FB 2941-246 TURNBULL CN RD. 986' E OF E BDRY OF CITY OF WHITTIER. S SIDE OF C.E MON DN 8" IN HAND HOLE. P.I. 2A PER FB 2941-227. SEE PG. 77 THIS F.B.	
0+00	20 0	558 7	4 44	538 68	PVMT @ BM #25	
0+16			21 0	537 7	GUTTER DIRT	
0+23			7 8	550 9	TOP OF BANK	
P 0+46	10 1	568 8	0 0	558 7	DIRT	
P 0+72	10 1	578 9	0 0	568 8	"	
P 0+95	10 1	589 0	0 0	578 9	"	
P 1+14	10 1	599 1	0 0	589 0	"	
P 1+36	10 1	609 2	0 0	599 1	"	
T.P. 1+62	10 1	619 3	0 0	609 2	"	
T.P. 1+88	10 1	629 4	0 0	619 3	"	

(T.P.'s are tins pressed into tin) HAND LEVEL

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0095.58 Division No. 11 F.B. 2926 PG. 79
X-Sec. No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION
Notes Chkd. ____ Checked ____ Survey by J.H. Brown Notes J.H.B. Date 1-64
Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date FEB 21 '64

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		629 4				
T.P. 2+10	10 1	639 5	0 0	629 4	DIRT	
T.P 2+30	10 1	649 6	0 0	639 5	"	
2+51	10 1	659 7	0 0	649 6	"	
2+73	10 1	669 8	0 0	659 7	"	
2+97	10 1	679 9	0 0	669 8	"	
3+16	10 1	690 0	0 0	679 9	"	
3+36	10 1	700 1	0 0	690 0	"	
3+55	10 1	710 2	0 0	700 1	"	
3+74	10 1	720 3	0 0	710 2	"	
3+98	10 1	730 4	0 0	720 3	"	
4+10			5 0	725 4	1X2	
4+26	10 1	740 5	0 0	730 4	dirt top small spur	
4+61	10 1	750 6	0 0	740 5	" top bank head small draw	
5+00	10 1	760 7	0 0	750 6	"	
5+14			6 7	754 0	" Fence LINE.	

HAND LEVEL
(T.P.s are tins pressed into dirt)

F.B. 2926 Pg. 80
Job No. 009558 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of SEVENTH AVE EXTENSION Date ____ Date ____ No. ____
Survey by J.H. Brown Notes J.H.B. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALL Date ____ Date ____ Date ____ No. ____

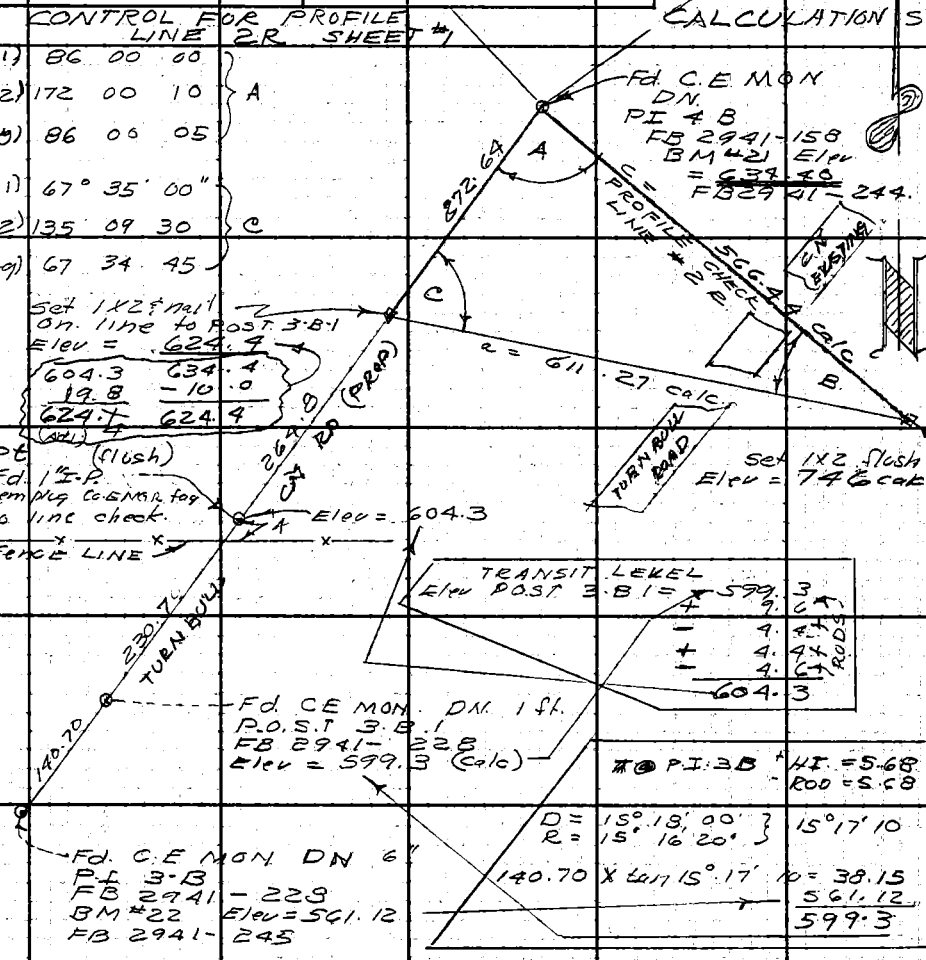
Notes. Ck'd by	Survey of SEVENTH AVE EXT
Map No.	JN 0095 58 Tape 102 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 1-64
Date	Indexed C. J. GAIL

F. B. 2926 PG. 81

SEE NEXT PAGE (82) FOR CALCULATIONS

CONTROL FOR PROFILE LINE 2R SHEET #1

1)	86	00	00	A
2)	172	00	10	A
Avg)	86	00	05	A
1)	67°	35'	00"	C
2)	135	09	30	C
Avg)	67	34	45	C



TRANSIT LEVEL
Elev POST 3-B-1 = 599.3
+ 9.6
− 4.4
+ 4.4
− 4.6
604.3
(RODS)

π @ P.I. 3B HI = 5.68 ROD = 5.68

D = 15° 18' 00" } 15° 17' 10
R = 15° 16' 20"

140.70 X tan 15° 17' 10 = 38.15
561.12
599.3

(π @ P-4B
ROD HI =
−2.35 + 5.37 diff = +3.02
(+1 = ROD)

273.00 X sin 2° 43' = −13.0 +3.0 D = 10.0

265.60 X sin 4° 16' = 19.8

273.00 (T=60) @ 2° 43' = 272.64

265.60 (T=62) @ 4° 16' = 264.8

230.74 (T=62) Lev = 230.7

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76F309S CE #310 6-62

F. B. 2926 Pg 82

CALC FOR TRIANGLE SHOWN LAST PAGE

A = 86° 00' 05" Meas

C = 67 34 45 Meas

B = 26 25 10 Calc

180 00 00

$a = \frac{272.64 \sin 86°00'05"}{\sin 26°25'10"}$

a = 611.27

$C = \frac{272.64 \sin 67°34'45"}{\sin 26°25'10"} = 566.44$

Elev. A = + 634.40

π @ A (H.I = +5.32) Rod @ B = 6.54 diff = − 1.22

D = +11° 18' 40"
R = +11° 17' 00 } tan +11° 17' 50" × 566.44 = + 113.16

Avg = 11° 17' 50"

746.34

π @ C (H.I = +4.61) Rod @ B = − 6.54 ; diff = − 1.93

Elev C = + 624.4

D = +11° 27' 40"
R = +11 25 20

Avgg = +11° 26' 30"

tan +11° 26' 30" × 611.27 = + 123.72

746.19

Avg = 749.4

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76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	
	SEVENTH AVE EXTENSION J.N. 0095.58				
	PROFILE CHECK LINE #2R SHEET #1				
0+00 BM #21	5 37	639 77		634 40	BM #21 ELEV = 634.40 FB 2941-244 TURN BULL CN RD. PROP. About 350' NW OF EXISTING TURNBULL CN RD About 0.2 mi N E/g of gate ON west SIDE creek
					Slope dist = 75.2 HOR. DIST = 72.8
					Vert ∡ = -14°48'20" Vert. dist = -19.2
					- Rod = 5.37
0+72.8			24 6	615 2	break ground
1+04 7			34 6	605 2	Rod - 40.7 - 6.1 = 34.6 (HAND LEVEL) GROUND Break
					Slope dist = 141.8 Hor. Dist = 139.3
					Vert. ∡ = -14°25'10" Vert. Dist = -35.3
					- Rod = 5.37
T.P. 1+37.3	3 0	602 1	40 7	599 1	break ground
1+41 8			5 6	596 5	BREAK GROUND. DIRT ROADWAY
1+73 0			4 7	597 4	BREAK GROUND
1+83 6			10 1	592 0	BREAK GROUND
1+95 8			9 7	592 4	BREAK GROUND
2+04 7			13 8	588 3	BREAK GROUND
2+18 7			14 5	587 6	BREAK - TOP OF BANK
2+37 3			25 5	576 6	BREAK (TOP) HAND
2+40 3			27 8	574 3	BREAK (Bottom) LEVEL
2+47 2			30 9	571 2	N. EDGE DITCH

Profile Notes Red Plotted Job No. 0095.58 Division No. 11 F.B. 2926
No. Date Date Survey of SEVENTH AVE EXTENSION Pg. 3
X-Sec. Notes Chkd. Checked Survey by J.H.B. Notes J.H.B. Date 1-24-64
No. Date Date Map No. Indexed C. J. GALL Date

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.		#2R
		602.1				HAND LEVEL
2+52.2			31.4	570.7	S. EDGE DITCH	
2+60.0			16.4	585.7	TOP OF BANK	
2+80.0			10.2	591.9	BREAK	
2+98.2	29.1	631.2	0.0	602.1	BREAK	
3+06.4			24.8	606.4	BREAK B.O.T. FILL	
3+32.4 T.P.	4.7	631.2	4.7	626.5	SLOPE DIST = 42.0 Vert ∡ = + 35°31'00" H.I. — 4.67	HOR DIST = 34.2 Vert DIST = −24.4 ROD + −4.67 29.1
3+31.4			4.7	626.5	BREAK TOP FILL WEST TURNBULL CN (EXISTING)	
3+40.9			5.8	625.4	W. EDGE TURNBULL CN RD	x Level
3+64.0			6.6	624.6	E. EDGE TURNBULL CN RD.	
3+89.7			+24.3	655.5	SLOPE DIST = 64.2 VERT. ∡ 26°53'00" H.I. 4.67	HORIZ. DIST 57.3 VERT DIST +29.0 ROD −4.67 +24.3
4+31.7	30.0	717.2	56.0	687.2	SLOPE DIST 116.4 VERT. ∡ = + 31°27'30" H.I. 4.67	HORIZ DIST 99.3 VERT. DIST +60.7 −4.7 ROD 56.0
(4+84.7) T.P.	30.0	717.2		687.0	Slope Dist = 61.0 Vert ∡ = 29°30'50"	HOR. DIST = 53.0 Vert +30.00 −Rod = 4.70

F.B. 2926 Pg. 84 Job No. 0095.58 Division No. 11 Notes Red Plotted Profile
Survey of SEVENTH AVE. EXTENSION Date Date No.
Survey by J.H. BROWN Notes J.H.B. Notes Chkd. Checked X-Sec.
Indexed C.J. GAID Date Date Date No.

76-1298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		#2R
4+51 2			22 6	+699 1	π @ 4+84.7 Slope Dis = − 38.00 Vert ∡ = −28° 04' 40"	HOR ~~Slope~~ Dist: − 33.5 Vert dist = − 17.9 4.7 22.6
(33.5)						
4+84.7	4.70	721 7		717	Last page	
5+72			+24 3	746	Slope Dist = 92.0 Vert ∡ = 18°21'	HOR. Dist = 87.3 Vert Dist = +29.0 −Rod −4.7 24.3

Profile Notes Red ____ Plotted ____ Job No. 009558 Division No. 11 F.B. 2926 PG. 85
No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.H. Brown Notes J.H.B Date 1-64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2926 Pg. 86 | 0095.58

Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of SEVENTH AVE EXTENSION Date _____ Date _____ No. _____

Survey by J. H. Brown Notes J. H. B Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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Notes Ck'd by	Survey of SEVENTH AVE EXT
Map No.	JN 0095.58 Tape 102 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 1-64
Date	Indexed C. J. GALLI FEB 21 '64

F. B. 2926 PG. 87

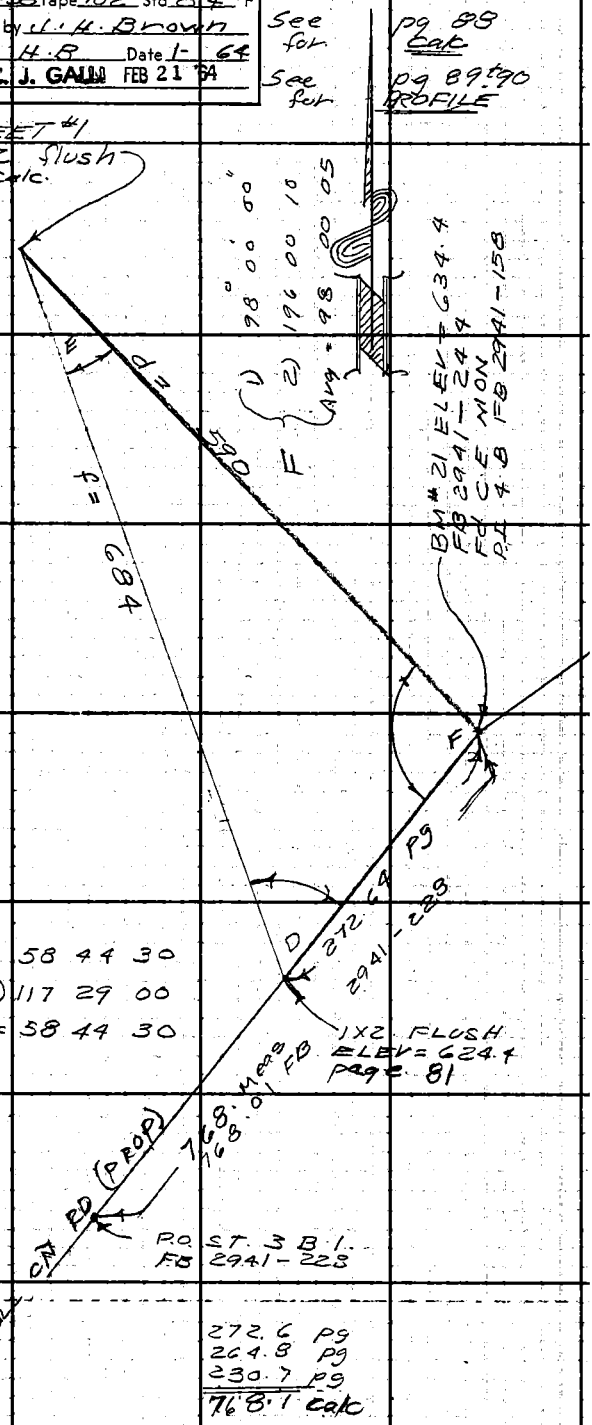
See for pg 88 Calc

See for pg 89 & 90 PROFILE

CHECK LINE #2L. SHEET #1

Set 1X2 flush
ELEV = 927 Calc.

F) 98 00 05 meas
D) 58 44 30 meas
E) 23 15 25 Calc
180 00 00



π @ F (H.I. = +5.32) Rod @ E = −1.7
D = +26° 10' 20" } +26° 09' 10"
R = 26° 08' 00"

π @ D (H.I. = +4.61) Rod @ E = −1.8
D = +23° 45' 20" } +23° 43' 50"
R = 23° 42' 20"

D { 1) 58 44 30
2) 117 29 00
Avg = 58 44 30

272.6 pg
264.8 pg
230.7 pg
768.1 calc

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F. B. 2926 PG 88

CALC DIST $\overline{DE}$ & ELEV. PT "D" LAST PAGE

$$d = \frac{272.64 \times \sin 58\ 44\ 30}{\sin 23°15'25''} = 590.25$$

$$f = \frac{272.64 \times \sin 98\ 00\ 05}{\sin 23°15'25''} = 683.80$$

+4.61		Elev D =	+ 624.4
−1.8	⊼ @ D H.I.	− Rod =	+ 2.8
2.8	683.80 ×	tan 23°43'50" =	300.6
			927.8
5.32		Elev F =	634.4
1.7	⊼ @ F H.I.	− Rod =	2.6
2.6	590.25 ×	tan 26°09'10" =	289.8
			926.8

Avg = 927

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STATION	B. S.	H. I.	F. S.	ELEV.		
	SEVENTH AVE EXTENSION U.N. 0095.58 PROFILE CHECK LINE #2 (Left) SHEET #1					
0+00 BM #21	+5.3	639.7		634.4	BM #21 Elev = 634.40 FB 2941-244 FD C.E. MON (P.I. 4B) FB 2941-158	
T.P. 0+64	+4.7	657.6	+13.2	652.9	Slope = 66.6 Vert ∠ = +16°06'30	Vert dist = +18.5 − 5.3 = +13.2
1+23			+2.9	660.5	Slope = 39.7 Vert ∠ = +7°18'	Vert dist = +7.6 − 4.7 = +2.9
1+60			+4.2	661.8	Level dist = 37.2	HAND Level +2.9 + 1.3 = 4.2
2+52.3	+4.3	718.3	+56.4	714.0	Slope = 197.7 Vert ∠ = +17°52'30"	Vert dist = +60.7 − 4.3 = +56.4
3+03			+7.7	726.0	Slope = 52.5 Vert ∠ = 13°14'	Vert dist = +12.0 − 4.3 = +7.7
3+50			+30.2	748.5	Slope = 103.1 Vert ∠ = 19°35'20"	Vert dist = +34.5 − 4.3 = 30.2
4+58			+107.0	825.3	Slope = 233.4 Vert ∠ = 28°29'10"	Vert dist = +111.3 − 4.3 = 107.0
5+07	+5.0	870.9	+147.6	865.9	Slope = 297.0 Vert ∠ = 30°45'40	Vert dist = +151.9 − 4.3 = 147.6

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0095.58 Division No. 11 F.B. 2926 PG. 89
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of 7TH AVE. EXTENSION
Survey by J.H. BROWN Notes J.H.B. Date 1-2-64 FB 2-64
Map No. ____ Date ____ Indexed C. J. GALL Date ____

76-L-298 CE 307 2-63

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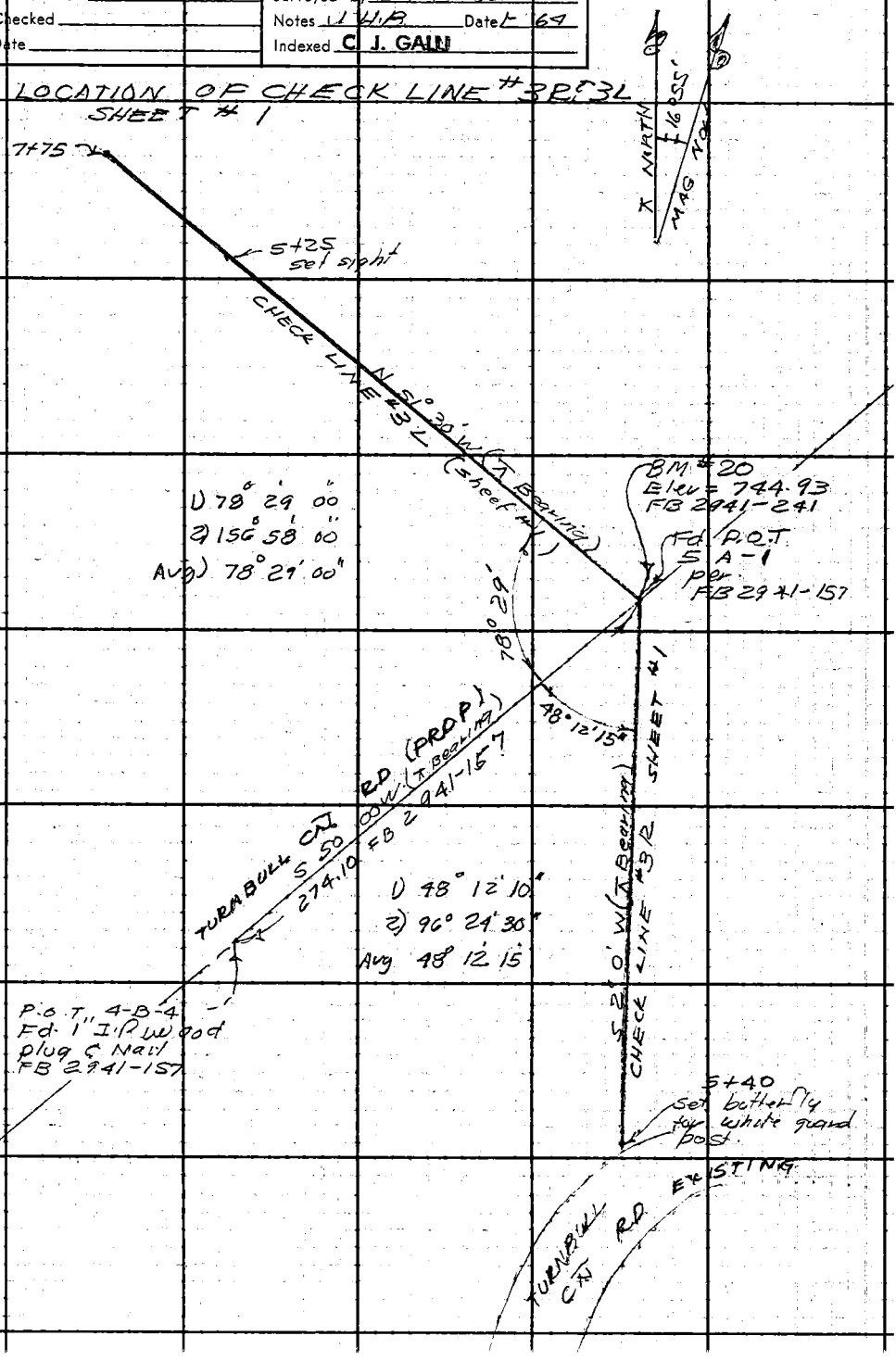
STATION	B.S.	H.I.	F.S.	ELEV.		#2L
		871				
5+81.			+52	923	Slope = 93.3 Vert ∠ = 37°36 30	Vert Dist = ± 57/5 32
5+91			+56	927	Slope = 104. Vert ∠ = 36° 17' 45"	Vert Dist = 6 1/5 56

F.B. 2926 Pg. 90 Job No. 009556 Division No. 11 Notes Red ____ Plotted ____ Profile
Survey of SEVENTH AVE EXTENSION Date ____ Date ____ No. ____
Survey by U.H. Brown Notes U.H.B. Notes Chkd. ____ Checked ____ X-Sec.
Indexed C. J. GALLI Date ____ Date ____ No. ____

Notes Ck'd by	Survey of SEVENTH AVE EXT.
Map No.	JN 0095.59 Tape 102 Std 94 °F
Office Work	Surveyed by cl H. Brown
Checked	Notes cl H.B. Date 1-64
Date	Indexed C. J. GALIN

F. B. 2926 PG. 91

LOCATION OF CHECK LINE #3R & 3L
SHEET #1



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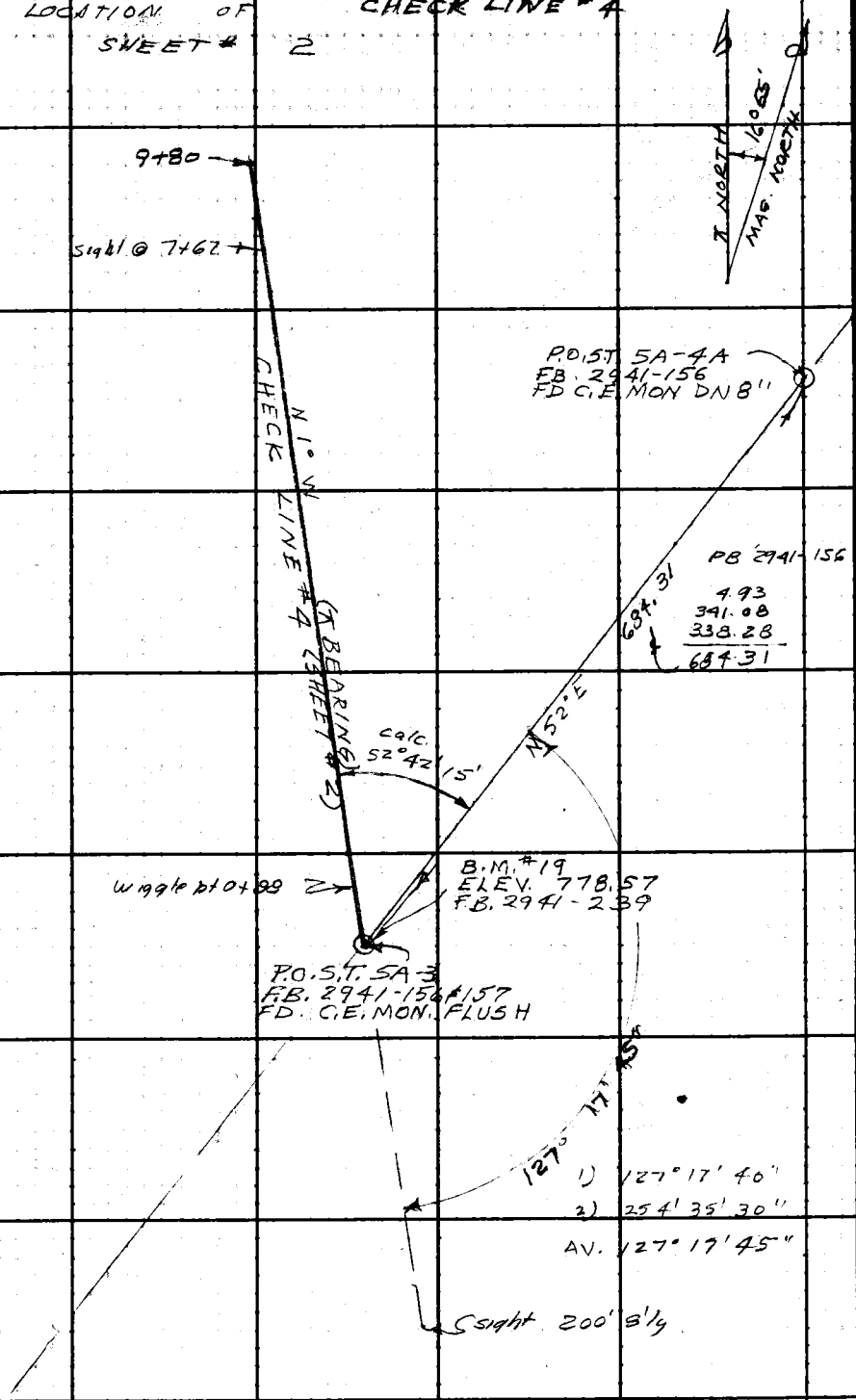
F. B. 2986 PG. 92

LOCATION OF CHECK LINE #4
SHEET # 2



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STATION	B. S.	H. I.	F. S.	ELEV.		
	SEVENTH AVE EXTENSION . J.N 0095.58					S = SLOPE DIST H = HOR. DIST ∡ = VERTICAL ANGLE V = vertical DIST
	PROFILE CHECK LINE # 3R. SHEET #1					
	going S 2° 00' W.					
BM #20	+6.2	751 1		744 9	BM #20 Elev = 744.93 FB 2941-241 (POST 5A-1 FB 2941-157) see page 91 this F.B.	
1+32			-73 8	677.3	S = 151.0 H = 131.8 Rod = -0 ∡ = -29°16' V = -73.8 Break.	
1+93	0 3	659 7	91 7	659.4	S = 210.7 H = 192.6 Rod = -6.2 ∡ = -23°56' V = -85.5 -6.2 break	
2+56			81	651 6	break.	
2+67	1.5	649 7	11 5	648 2	top bank	
2+ 78			5 4	644 3	bottom bank & west edge dirt road.	
3+ 08	4 6	649 7	4 6	645 1	break E. edge dirt road.	
3+67 9			15	634 4		top west bank
3+94 0			33 1	616.6		bottom ditch
4+33 4			72	642 5		Top E bank
4+42 1			1 7	648.0		Break
4+75			+12 1	661 8	S = 167.4 H = 167 Rod = -0 ∡ = +4° 09' V = +12.1	Break.
4+90			+11 7	661 3	S = 183.0 H = 182 ∡ = +5° 06' V = +16.3 - 4.6 = +11.7	bottom bank.
5+40			+40.6	690.3	S = 235.7 H = 232 Rod = -0 ∡ + 9° 55' V 40.6 HAND Level. diff = + 29.9 661.3 691.2	top break. West edge Turnbull CN Rd.

HAND LEVEL

Tower

Profile Notes Red ____ Plotted ____ Job No. 0095.58 Division No. 11 F.B. 2926 Pg. 93
No. ____ Date ____ Date ____ Survey of 7TH AVE. EXTENSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.H. BROWN Notes J.H.B. Date 1-64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date FEB 21 '64

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
PROFILE CHECK LINE #3					SHEET #1	(90119 N 51°30' W.)
BM #20 0+00	6'	751 0		744 9	BM #20 Elev = 744.93 (POST S.A-1 FB 2941-157) See pg 91 this FB	FB 2941-241
0+44			+11 9	762 9	S = 45.1 H = 43.6 ∡ = +15° 18' 30" V = +11.9	Rod = -0 break
0+95			+25 0	776 0	S = 94.7 H = 94.7 ∡ = +18° 11' V = +31.1 - 6.1 = +25.0	Rod = -6.1 break
1+45	4 7	804 6	+48.9	799.9	S = 155.0 H = 144.9 ∡ = +20° 47' 20" V = +55.0 - 6.1 = +48.9	Rod = -6.1 break
2+14			+9 3	813 9	S = 69.4 H = 68.8 ∡ = +7° 40' V = +9.3	Rod = 0.0 break
2+45			+10 0	814 6	V = +9.3 + 0.7 = 10.0 (HAND LEVEL) H = 31.2	break
3+21			+28.2	832 8	S = 179.1 H = 176.8 ∡ = +10° 37' V = +32.9 - 4.7 = +28.2	Rod = -4.7 break
4+07	4 8	875 7	+66.3	870 9	S = 271.0 H = 267.5 ∡ = +15° 11' V = +71.0 - 4.7 = +66.3	Rod = -4.7 T.P.
5+25	5 0	960 1	+79 4	955.1	S = 144.6 H = 119.6 ∡ = +35° 33' 30" V = +84.2 - 4.8 = 79.4	Rod = -4.8 Break
5+51			+3 9	964 0	H = 26.4 Level. V = +3.9 Hand Level.	edge Fire by break
5+60			+6 0	966 1	H = 9.0 Level + 26.4 = 35. V = +3.9 + 2.1 = +6.0	w. edge Fire. break
7+05	4 0	986 7	+22 6	982 7	S = 148.0 H = 145.4 ∡ = +10° 45' V = +27.6 - 5.0 = +22.6	Rod = -5.0 TOP break
7+75			-6 0	980 7	H = 70.0 Level	

F.B. 2926 Pg. 94 Job No. 0095.52 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of 7TH AVE. EXTENSION No. ____ Date ____ Notes Chkd. ____ Checked ____ X-Sec. ____
Survey by J.H. BROWN Notes J.H.B. Date ____ Date ____ Date ____
Indexed C. J. GAIN

76-L 298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
SEVENTH AVE EXTENSION					J. N. 009558	
PROFILE CHECK LINE # 4					SHEET # 2	
BM # 19 0+00	0 0	778 6		778 57	Fd. BM #19 (POST 5A-3) F.B. 2941-239 & 156	
0+39			+13 6			
0+88			+17 0			
1+34			+14 6			
1+41 0	4.85	796 6	+13 2	791 8		
2+32			-28 6	757 7	STADIA 2.08 @ -6° 43' H= 20.5 V= -24.3 Rod= -4.3	Break in side hill
3+21			-51 4	7349	84.6 / 21.0 H= 105.6 -52.9 +1.5 -51.4 hand level	S. side Drainage bottom
3+52			-52 9	7334	S= 97.2 H= 84.6 ∡= -29°42' V= -48.3 Rod= -4.6 -48.3 -52.9	N side Drainage bottom.
4+37	4 6	786 3			Measure toward 0+00 from this set-up	
4+37	4 6	786 3	-14 9	7817	S= 296.0 H= 295.6 ∡= 2°53' V= -14.9 Rod= 0.0	break
4+75			0 0	786 3	H= 37.9 Rod= -00. π Level.	break
5+55	4 4	8505	+59 8	8461	S= 133.6 H= 117.0 ∡= +28°48'50" V= +64.4 Rod= 4.6 +64.4 +59.8	break.
6+75			+44 8	8953	S= 130.5 H= 120.8 ∡= 22°07'50" V= +49.2 Rod= -4.4 +49.2 +44.8	Break
7+67	4 5	9683	+113 3	9638	S= 241.4 H= 213.1 ∡= -28°00'00" V= +113.3 Rod= 0.0	Break
8+92	4 8	9902	+17 1	9854	S= 127.2 H= 125.3 ∡= 9°46' V= 21.6 Rod= -4.5 +21.6 +17.1	Break
9+80			48	9854	West side fire break	

Profile Notes Red ____ Plotted ____ Job No. 009558 Division No. 11 F.B. 2926
No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION Pg. 95
X-Sec. Notes Chkd. ____ Checked ____ Survey by H.B. Notes H.B. Date 1-64
No. ____ Date ____ Date ____ Map No. ____ Indexed G. I. GALL Date ____

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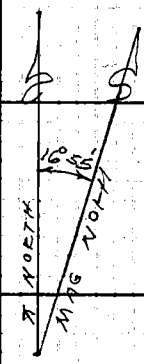
F.B. 2926 Pg. 96 | Job No. 0095.58 | Division No. | Notes Red | Plotted | Profile No.
Survey of SEVENTH AVE EXTENSION | Date | Date | X-Sec. No.
Survey by U.H.B. | Notes T.C. Peterson | Notes Chkd. | Checked
Indexed C. J. GALLI | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.		
SEVENTH AVE EXTENSION PROFILE CHECK LINE #5					J.N. 0095.68 SHEET #2	
T.B.M. #21 0+00	47	941.1		936.4	T.B.M. #21 Elev. 936.35 FB 2941 1" I.P. wood plug & Nail	
0+43			+19.2	960.3	S = 49.5' ∡ = +28°52' H = 43.3 V = +23.9 - 4.7 = +19.2	Rod = -4.7 break
0+68.3	47	994.2	+34.3	975.4	S = 78.7 ∡ = +29°45' H = 68.3 V = +39.0 - 4.7 = +34.3	Rod = -4.7 break
1+21.4	48	994.3	+9.4	989.5	S = 54.9 ∡ = +14°50' H = 53.1 V = +14.1 - 4.7 = +9.4	Rod = -4.7 brk.
1+69.3			-15.4	978.9	S = 49.1 ∡ = -12°27' H = 47.9 V = -10.6 - 4.8 = -15.4	Rod = -4.8 Begin drawn
2+35.8			-9.6	984.7	Level	break
2+84.9			+8.2	1002.5	S = 116.3 ∡ = +6°26' H = 115.6 V = +13.0 - 4.8 = +8.2	Rod = -4.8 break Toe
3+00.2			+20.8	1015.1	S = 133.4 ∡ = +11°05' H = 130.9 V = +25.6 - 4.8 = +20.8	Rod = -4.8 Top break
3+50.3			+35.3	1029.6	S = 185.4 ∡ = +12°29' H = 181.0 V = +40.1 - 4.8 = +35.3	Rod = -4.8

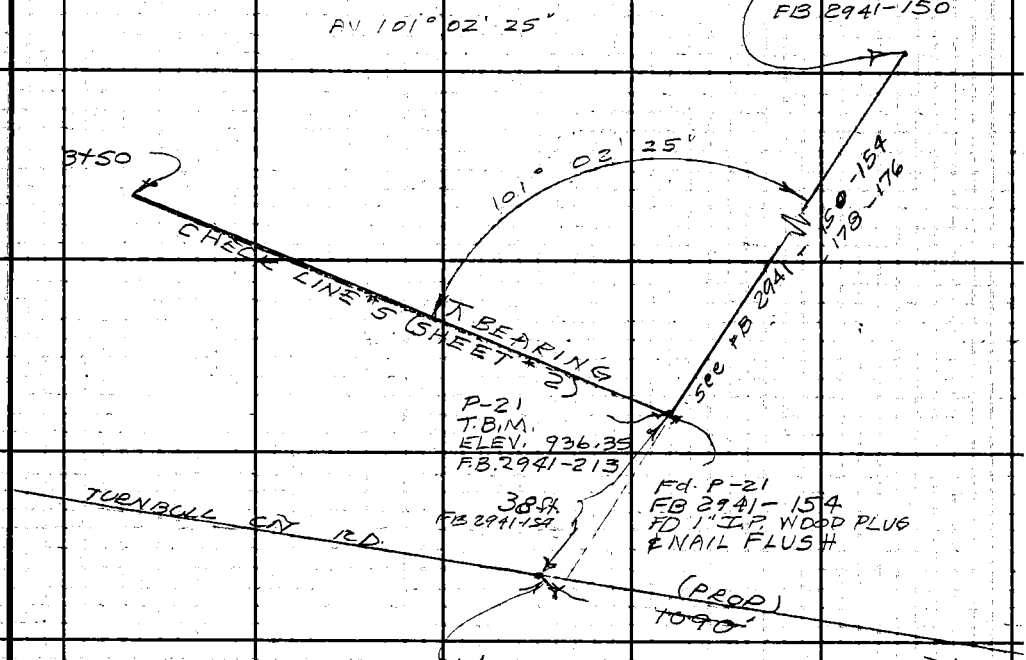
Notes Ck'd by	Survey of 7TH AVE. EXTENSION
Map No.	JN 2095.58 Tape Std 87 °F
Office Work	Surveyed by J.H.B ROWN
Checked	Notes J.H.B. Date 2-- -64
Date	Indexed C. J. GALLI FEB 21 '64

F. B. 2926 PG. 97

CHECK LINE # 5
SHEET # 2



1) 101° 02' 30"
2) 202° 04' 50"
AV 101° 02' 25"



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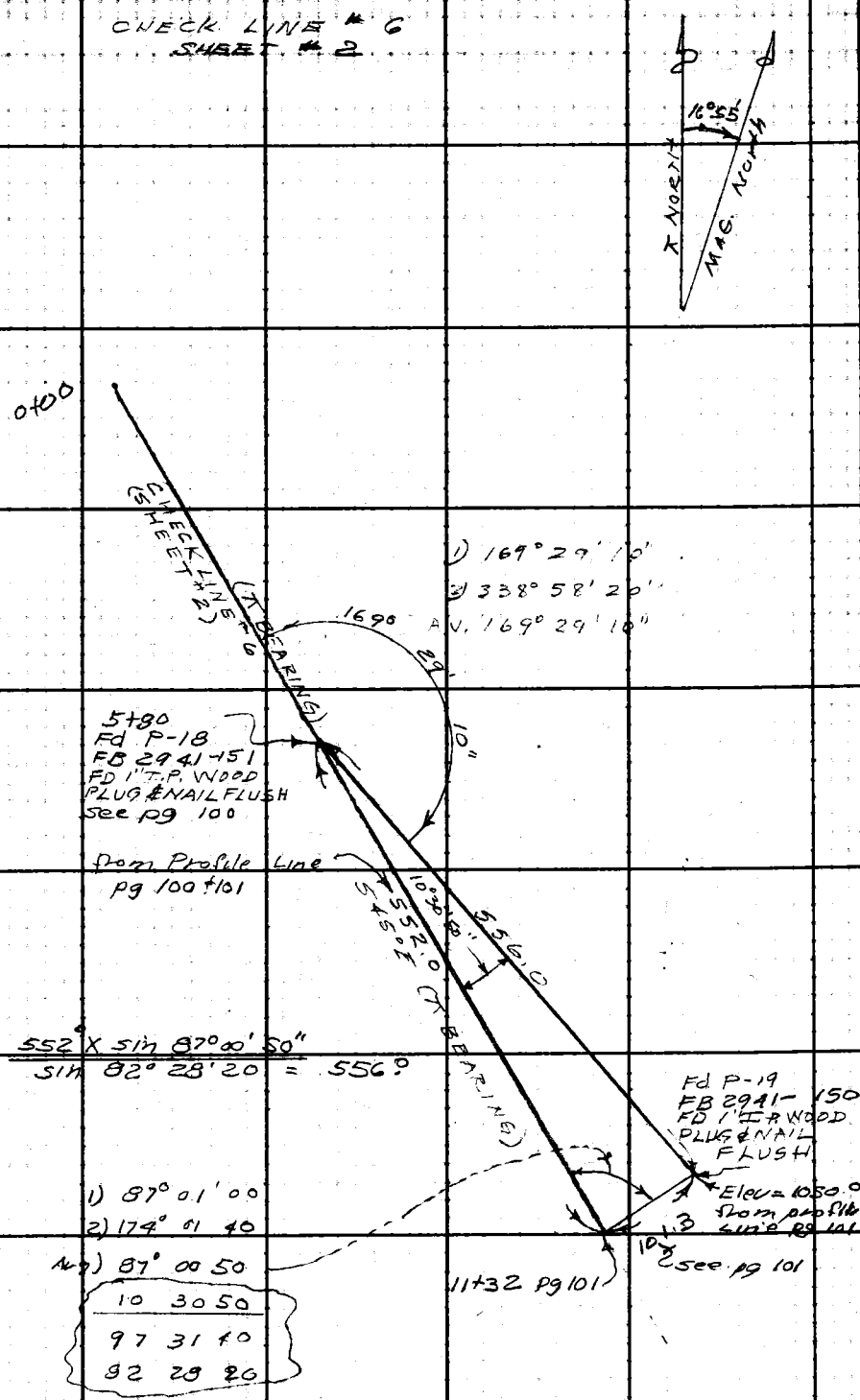
76F309S CE #310 6-62

F.B. 2936 PG. 98

CHECK LINE # 6
SHEET # 2



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STATION	B. S.	H. I.	F. S.	ELEV.		
SEVENTH AVE EXTENSION J.N. 009558						
PROFILE CHECK LINE #6 SHEET #2						
0+00	3 7	1180 7		1177 0		NE edge fire break
0+75	4.9	1185 3	0 0	1180 7	HAND Level	
0+80			-4.9	1180 7	HAND Level.	
1+50			-49.1	1136 2	S= 87.3 H= 75.3 Rod= -4.9 ∡= -30°27' V= -44.2	small drainage.
2+21			-69 7	1115 6	S= 160.0 H= 146.3 Rod= -4.9 ∡= -23°54' V= 64.8	
2+28			-73 1	1114 4	HAND Level from 2+21	top bank W. SIDE RD.
2+50					HAND Level (1" Lower than 2+84)	bot. " " " "
2+66			-88 4	1096 9	S= 208.8 H= 191.4 Rod= -4.9 ∡= -23°34' V= -83.5	top bank E SIDE RD
0+75		1185.3				
2+88			-98 5	1086 8	S= 231.5 H= 211.7 Rod= -4.9 ∡= -23°50' V= -93.6	
2+66	4.6	1101 5		1096 9		
3+48			-20 5	1081 0	S= 83.4 H= 81.9 Rod= -4.6 ∡= 10°59' V= -15.9	
3+90	4 9	1092 8	-13 6	1087 9	S= 123.9 H= 123.2 Rod= 0.0 ∡= 6°17' V= -13.6	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 009558 Division No. ____ F.B. 2926 PG. 99
X-Sec. No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION
Notes Chkd. ____ Checked ____ Survey by J.H.B. Notes J.H.B. Date 2-6-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GAULI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	LINE #6
12 3+90		1092 8			
13 4+82	4 5	1079 8	-17 5	1075.3	S= 93.2 H= 92.3 Rod= 4.9 ∡= -7°46' V= -12.6
14 5+80	4 9	1056 4	-26 3	1053 5	S= 100.2 H= 97.8 Rod= -4.5 ∡= -12°34' V= -21.9 Fd TBM P#18 FB 2941-209 ~~151~~ see FB 2926 pg 98
7.1 15 6+18	5 0	1046 2	-17 2	1041 2	S= 40.2 H= 38.3 Rod= -4.9 SIDE HILL. ∡= -17° 51' V= -12.3 -12.3 -17.2
16 6+41			-19 5	1026 7	S= 27.4 H= 23.2 Rod= -5.0 SIDE HILL ∡= -32° 04' V= -14.5 -14.5 -19.5
17 6+70			-40 9	1005 3	S= 62.9 H= 51.7 Rod= -5.0 Top SLIDE. ∡= -34° 48' V= -35.9 -35.9 -40.9
18 7+00			-73 2	973 0	+5.0 H= -19.5 bottom slide HAND Level.
19 7+19			-78 2	968 0	S= 124.8 H= 101.1 Rod= -5.0 TOP CLIFF ∡= -35° 54' V= -73.2 -73.2 -78.2
20 7+77			-130 3	915 9	+1.5 H= -23.5 West side of Bottom of drainage. HAND LEVEL.
21 8+01			-131 8	914 4	S= 222.3 H= 182.6 Rod= -5.0 East side of BOTTOM DRAINAGE. ∡= -34° 47' 20" V= -126.8 -5.0 -131.8

F.B. 2926 Pg. 100
Job No. 009558 Division No. Notes Red Plotted Profile
Survey of SEVENTH AVE EXTENSION Date No. X-Sec.
Survey by U.H.B. Notes U.H. Brown Notes Chkd. Checked
Indexed C. J. GALL Date Date No.

76-L 298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.	LINE	HG
T.P. (1) 8+01	+4.8	919.2		914.4	CONT from bot. page 100	
T.P. (2) 8+36	+4.8	939.8	+15.8	935.0	S= 40.4 H= 34.8 ∡=130°37'20" V= +20.6	Rod= -4.8 +20.6 +15.8 BREAK SIDE HILL
(3) 9+15			+33.6	973.4	S= 87.8 H= 79.0 ∡= + 25°56' V= +38.4	Rod= -4.8 +38.4 +33.6 SIDE HILL
T.P. (4) 9+80	+5.1	1014.5	+69.6	1009.4	S= 162.3 H= 144.3 ∡= +27°15'40" V= 174.4	Rod= -4.8 +74.4 69.6
(5) 10+29			-11.0	1003.5	S= 49.1 H= 48.7 ∡= - 6°54' V= -5.9	Rod= -5.1 -5.9 11.0
T.P. (6) 10+77	6.0	1025.5	+5.0	1019.5	S= 97.6 H= 97.1 ∡= + 5°57' V= +10.1	Rod= -5.1 +10.1 +5.0
(7) 11+32			-11.0	1014.5	S= 55.1 H= 54.9 ∡= -6°21 V= -6.1	Rod= -4.9 -6.1 -11.0
					FOLLOWING IS CHECK IN. TO P. 99 FB 2941-150 & 176. (see DIAGRAM PG.)	
)	4.9	1019.4		1014.5	S= 108.4 H= 101.3 ∡= + 20°50'30 V= +38.6	Rod= -8.0 +38.6 +30.6
			+30.6	1050.0	TBM P-19.	
		Next	PAGE	(102)	begin CHECK LINE	#7

Profile Notes Red. ____ Plotted ____ Job No. 0095.58 Division No. ____ F.B. 2926 PG. 101
No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION.
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

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F.B. 2926 Pg. 102 Job No. 009558 Division No. Notes Red Plotted Profile
Survey of SEVENTH AVE EXTENSION Date Date No. X-Sec.
Survey by LLW.B. Notes LLW.B review Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.		
SEVENTH AVE EXTENSION PROFILE CHECK LINE #7 FROM P#19 FB 2941-150 & 176					U.N. 009558 SHEET #2 to P#20 FB 2941-152 & 177 SHEET #3	S = SLOPE DIST; H = HORIZONTAL DIST; V = vertical DIST; ∡ = vertical ANGLE
0+00 P#19	5'	1055'		1050 0	Elev = 1050.0 bottom pg 101. Fd P#19. per FB 2941-152.	top small spur.
1) 0+41			-8 9	1046 2	S = 41.3 H = 41.1 ∡ = -5°14' V = -3.8	Rod = -5.1 -3.8 -8.9 SIDE HILL
2) 0+84	4 7	1039 1	-20 7	1034 4	S = 85.0 H = 83.7 ∡ = -9°56' V = -14.7	Rod = -6.0 -14.7 -20.7 Break
3) 1+39			-41 8	997 3	S = 66.6 H = 55.3 ∡ = -33°50' V = -37.1	Rod = -4.7 -37.1 -41.8 BREAK
4) 1+98			-59 5	979 6	S = 127.1 H = 114.7 ∡ = -25°33 V = -54.8	Rod = -4.7 -54.8 -59.5 SIDE HILL
5) 2+57			-83.4	955 7	S = 190.0 H = 172.9 ∡ = -24°29' V = -78.7	Rod = -4.7 -78.7 -83.4 Top bank
6) 2+78			-103.0	936 1	S = 217.6 H = 194.8 ∡ = -26°27' V = -96.9	Rod = -6.1 -96.9 -103.0 bottom Drainage
7) 3+28			-70 6	968 5	S = 252.9 H = 244.2 ∡ = -15°06' V = -65.9	Rod = -4.7 65.9 70.6 TOP BANK

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STATION	B. S.	H. I.	F. S.	ELEV.	PROFILE LINE #7	SHEET 2 & 3
2) 0+84	---	1039 1	—	—	CONT from page	102.
8) 3+53	4 8	9768	-67 1	9720	S= 277.1 H= 268.9 ∡= -14° 00' 30" V= -67.1	Rod 0.0 -67.1 -67.1 Top small spur (Fire break)
9) 3+99	50	971 6	-10.2	9666	S= 46.3 H= 46.0 ∡= -6° 44' V= -5.4	Rod= -4.8 -5.4 10.2 break top spur
) 4+63			-58.9	9127	S= 84.0 H= 64.4 ∡= -39°57' V= -53.9	Rod= -5.0 53.9 -58.9 bottom drainage
) 5 +05			-34 2	9374	S= 110.6 H= 106.7 ∡= -15°17' V= -29.2	Rod= -5.0 -29.2 34.2 top bank
) 5+36	53	941 0	-35.9	9357	S= 140.4 H= 137.0 ∡= -12°42' V= -30.9	Rod= -5.0 30.9 -35.9 SE side small spur
) 6+07			-31.9	9091	S= 75.8 H= 71.0 ∡= -20°31' V= -26.6	Rod= -5.3 -26.6 -31.9 N.W. side drainage bottom
) 6+54			-31 4	9096	S= 121.4 H= 118.6 ∡= -12°25' V= -26.1	Rod= -5.3 -26.1 31.4 S.E. side drainage bottom
) 6+93			-16 1	9249	S= 157.5 H= 157.1 ∡= -3°56' V= -10.8	Rod= -5.3 -10.8 16.1 break
) 7+26			-80	9330	S= 190.3 H= 190.3 ∡= -1° 07' V= -3.7	Rod= -5.3 -3.7 -8.0 break
) 7+51			-8 6	9324	S= 215.6 H= 215.6 ∡= -0°53' V= -3.3	Rod= 5.3 -3.3 -8.6 break

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0095.58 Division No. ____ F.B. 2926 PG. 103
Date ____ Date ____ Survey of SEVENTH AVE EXTENSION
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by JJB Notes JJB Date 2-64
Date ____ Date ____ Map No. ____ Indexed C. J. GAU Date ____

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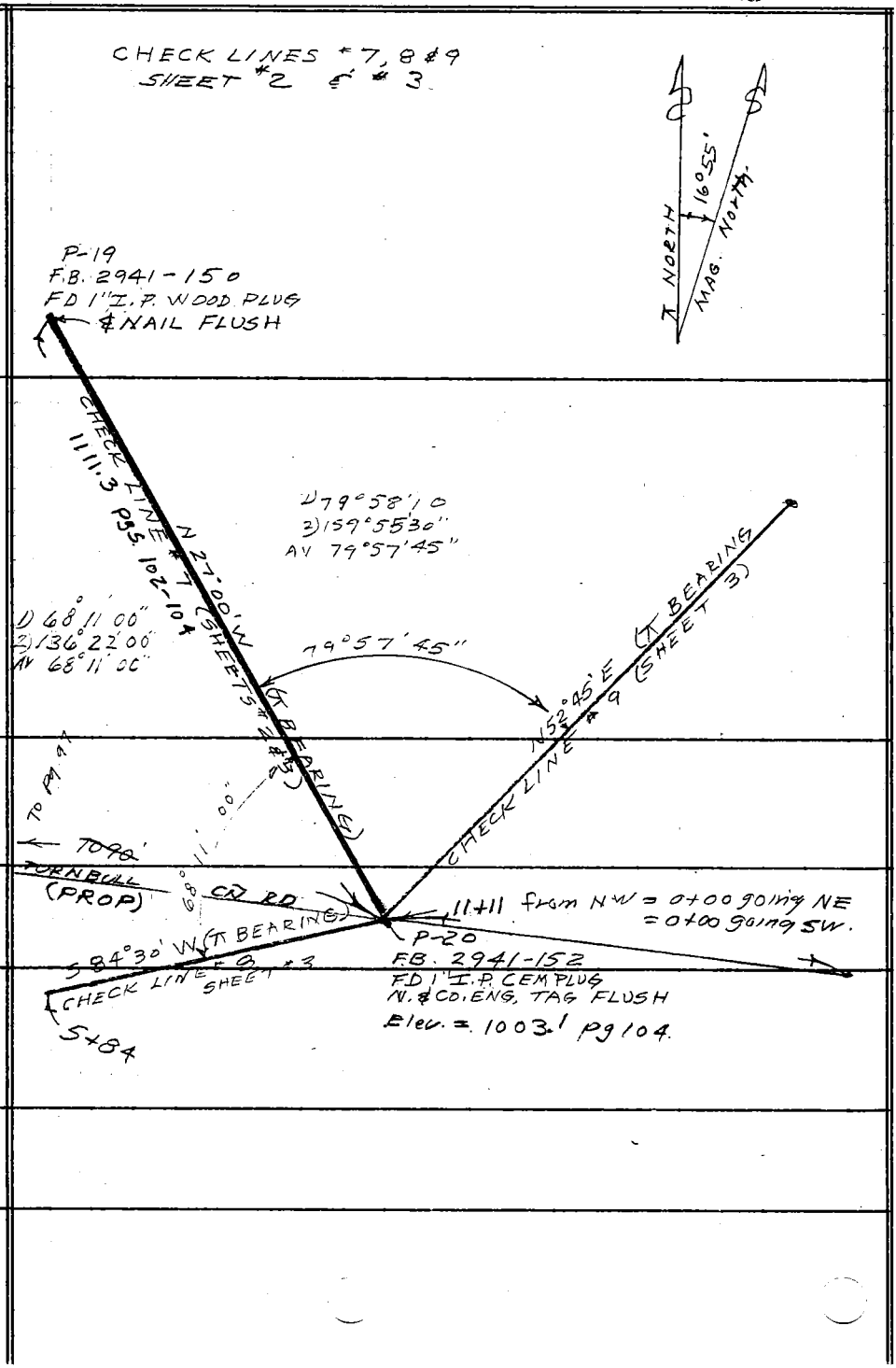
F.B. 2926 Pg. 104 | Job No. 0095.58 | Division No. | Notes Red | Plotted | Profile
Survey of SEVENTH AVE EXTENSION | Date | Date | No.
Survey by H.W.B. | Notes H.H.B. 05-61 | Notes Chkd. | Checked | X-Sec.
Indexed C. J. GALL | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.	PROFILE LINE #7	SHEET 2 of 3
12 5+36	—	941.0	—	—		
18 7+64			−13.0	928.0	4.4 H= 12.4 ahead of 7+51 (Hand level) Lower than 7+51. bottom DRAIN	−8.6 / 4.4 / 13.0 — 751.2 / 12.4 / 763.6
19 7+86.2	48	944.1	−1.7	9393	S= 250.6 ∡= +0°50' H= 250.6 V= +3.6	Rod= −5.3 / +3.6 / −1.7 Brk.
20 8+62	48	9.672	+18.3	9624	S= 79.5 ∡= +16°52' H= 76.1 V= +23.1	Rod= −4.8 / +23.1 / +18.3 Brk.
21 9+30			+5.6	9728	S= 68.7 ∡= +8°41' H= 67.9 V= +10.4	Rod= −4.8 / +10.4 / +5.6
22 9+45			+3.4	9706	2.2 930 / 14.4 / 9+6 H= 14.4 Ahead of 9+30 (Hand level) Lower than 9+30	+5.6 / 2.2 / +3.4
23 9+56			+8.9	9761	S= 94.4 ∡= +8°22' H= 93.4 V= +13.7	Rod= −4.8 / +13.7 / +8.9
24 10+60			+29.7	9969	S= 200.6 ∡= +9°55' H= 197.6 V= +34.5	Rod= −4.9 / +34.5 / +29.7 N.W. SIDE of Road
10+72			+29.0	9962	0.7 H= 12.0 (Hand level) SE SIDE of ROAD ahead of 10+60 Lower than 10+60	+29.7 / −0.7 / 29.0
25 10+77			+31.5	9987	1.8 H= 16.9 (Hand level) TOP Bank ahead of 10+60 higher than 10+60	+29.7 / +1.8 / +31.5
R-20 11+11			+35.9	10031	S= 253.0 ∡= +10°13' H= 249.0 V= +44.9	Rod= −9.0 / +44.9 / +35.9

Fd 1" I.P. & CO. ENGR. tag FB 2941-152

Profile	Notes Red	Plotted	Job No. 0095.58	Division No. 11	F.B. 2926	Pg. 105
No.	Date	Date	Survey of SEVENTH AVE EXT			
X-Sec.	Notes Chkd.	Checked	Survey by J.H.B	Notes J.H.B	Date 2- 64	
No.	Date	Date	Map No.	Indexed C. J. GALL	Date FEB 21 '64	



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STATION	B.S.	H.I.	F.S.	ELEV.		# 8
SEVENTH AVE EXTENSION PROFILE CHECK LINE #8					U.N. 0095 58 SHEET #3	
PH 20	4.9	1008.0		1003.1	per check LINE # 7. (1" I.P. cem. plug & tag)	Calc 1003.3 per vert ¢S FB 2441-176 & 127 using DIST 1111.3)
1 0+41			-16.5	991.5	S = 42.1 H = 40.5 ∡ = -16°00' V = -11.6	Rod = 4.9 Top bank -11.6 -16.5
2 0+48			-20.8	987.2	4.3 H = 7.0 Hand level	ahead of 1 edge road Lower than 1
3 0+69			-25.1	982.9	4.3 H = 19.9 Hand level	ahead of 2 edge road. Lower than 2
4 2+02			-49.2	958.8	S = 206.4 H = 201.6 ∡ = 12°24' V = -44.3	Rod = -4.9 -44.3 49.2
T.P. 4a 2+95	5.1	955.8	-57.3	950.7	S = 299.5 H = 294.9 ∡ = 10°04' V = -52.4	Rod = -4.9 -52.4 -57.3
5 3+39			-61.8	894.0	4.5 H = 44.4 Hand level	ahead of 4a Lower than 4a
6 5+30			+1.2	957.0	S = 190.4 H = 190.3 ∡ = +1°54' V = +6.3	Rod = -5.1 +6.3 +1.2
7 5+84			+4.7	960.5	S = 288.8 H = 288.6 ∡ = +1°51' V = +9.8	Rod = -5.1 +9.8 +4.7

F.B. 2926 Pg. 106

Job No. 0095 58 Division No. Notes Red Plotted Profile

Survey of SEVENTH AVE EXTENSION Date Date No. X-Sec.

Survey by U.H.B. Notes U.H. Brown Notes Chkd. Checked

Indexed C. J. GALLI Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.				
SEVENTH AVE EXTENSION PROFILE CHECK LINE #9					U.N. 009558 SHEET #3			
P#20	47	1008 0		1003 3	CALC. FIELD ELEVATION			
2+29.			+654	1073 4	S= 239.7 ∡=+17°01'	H= 229.2 V=+70.1	Rod= -4.7 +70.1 / 65.4	Toe of break
2+53			+774	1085 4	S= 265.8, ∡=+18°00	H= 252.8 V= 82.1	Rod= -4.7 +82.1 / +77.4	Top of brk.
2+84.	47	1098 0	+853	1093 3	S= 298.0 ∡=+17°35'	H= 284.1 V= 90.0	Rod= -4.7 +90.0 / +85.3	brk.
3+11			+66	1104 6	S= 293 ∡=+22°44'	H= 270 V= 11.3	Rod= -4.7 +11.3 / +6.6	S. W. Edge of Rd.
3+50				1109 9	-5.6	H=1.7 Hand level	Back From 6 Lower than 6	N.E. Edge of Rd.
3+52			+175	1115 5	S= 71.5 ∡=+18°07'	H= 68.0 V= 22.2	Rod= -4.7 +22.2 / +175	Top of brk.
3+89			+252	1123 2	S= 108.9 ∡=+15°57'	H= 104.7 V= 29.9	Rod= -4.7 +29.9 / +25.2	brk.
4+13	44	1138 8	+364	1134 4	S= 135.9 ∡=+17°45'	H= 129.4 V= 41.4	Rod= -4.7 +41.1 / +36.4	S. W. Edge of Rd
4+39				1134 7	+ 0.3	H= 25.5 Hand level	ahead of 8 higher than 8	N. E. Edge of Rd.

Profile No.____ Notes Red____ Plotted____ Job No. 009558 Division No.____ F.B. 2926 PG. 107
X-Sec. No.____ Date____ Date____ Survey of SEVENTH AVE EXTENSION
Notes Chkd.____ Checked____ Survey by H.B. Notes H.B. Date 2-64
Date____ Date____ Map No.____ Indexed C. J. GALL Date____

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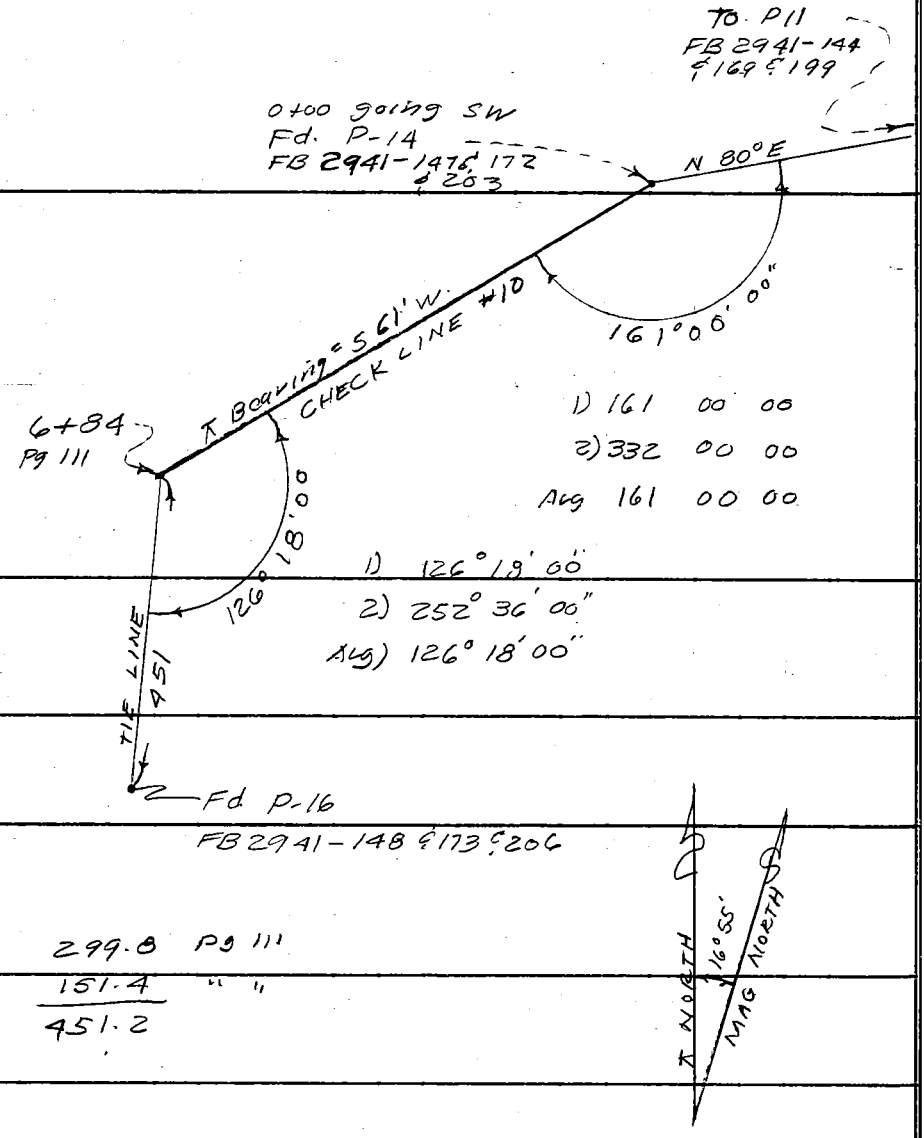
STATION	B.S.	H.I.	F.S.	ELEV.	Line #9	
4+13	4 4	1138 8		1134 4	Con't bott. Pg. 107 H=1.0	ahead of 9
(10) 4+40				1138 1	3.4 Hand level	higher than 9 Top brk.
(11) 4+58	4 7	1146 3	+2 8	1141 6	S=46.0 H=45.4 ∡=+8°58' V=+7.2	Rod=4.4 +7.2 +7.8 Top brk.
(12) 5+39			-14 4	1131 9	S=81.5 H=80.9 ∡=-6°49' V=-9.7	Rod=-4.7 -9.7 -14.4 brk
(13) 6+25			+6 5	1152 8	S=167.1 H=166.7 ∡=+3°51' V=+11.2	Rod=-4.7 +11.2 +6.5 brk by fence line
(14) 6+96	4 7	1189 0	+38 0	1184 3	S=241.7 H=237.9 ∡=+10°11' V=+42.7	Rod -4.7 +42.7 +38.0 brk
(15) 8+10	4 7	1206 6	+12 9	1201 9	S=114.9 H=113.5 ∡=+8°50 V=+17.6	Rod -4.7 +17.6 +12.9 ground
(16) 8+82			+3 6	1210 2	S=72.2 H=71.7 ∡=+6°37' V=+8.3	Rod -4.7 +8.3 +3.6 Top of hill

F.B. 2926 Pg. 108 Job No. 0095.58 Division No. Notes Red Plotted Profile
Survey of SEVENTH AVE EXTENSION Date Date No. X-Sec.
Survey by U.H.B. Notes U.H. Brown Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

Profile	Notes Red	Plotted	Job No. 0095.58	Division No. H	F.B. 2926	Pg. 109
No.	Date	Date	Survey of SEVENTH AVE EXTENSION			
X-Sec.	Notes Chkd.	Checked	Survey by J.H.B	Notes J.H.B	Date 2-64	
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date	

SEVENTH AVE EXTENSION J. N. 0095.58

LOCATION CHECK LINE #10. SHEET #2



ELEV.

F.S.

H.I.

B.S.

STATION

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F.B. 2926 Pg. 110 | Job No. 009558 | Division No. | Notes Red | Plotted | Profile No.
Survey of SEVENTH AVE EXTENSION | Date | Date | X-Sec. No.
Survey by LHB | Notes A. CARO | Notes Chkd. | Checked
Indexed C. J. GALL | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.			#10	
SEVENTH AVE EXTENSION J.N. 0095-58 PROFILE CHECK LINE #10 SHEET #2 from P-14 S 61°W for 684'								
0+00 P-14	52	989 5		984 3	TBM P-14 Elev. 984.37 FB 2941-203			
1) 0+81.3	42	1012 5	+18 8	1008 3	S = 84.3 ≠ = +16°26'	H = 81.3 V = +24°	Rod = -5.2 +24.0 +18.8	brk.
2) 1+20°	46	1018 9	+18	1014 3	S = 39.4 ≠ = +8°49'	H = 38.9 V = +6.0	Rod = -4.2 +6.0 +1.8	brk.
3) 1+68			-69	1012 0	S = 48.4 ≠ = -2°41'	H = 48.3 V = -2.3	Rod = -4.6 -2.3 -6.9	brk.
4) 2+03			-131	1005 8	S = 83.6 ≠ = -5°49'	H = 83.2 V = -8.5	Rod = -4.6 -8.5 -13.1	bottom brk.
5) 2+25			+76	1026 5	S = 105.8 ≠ = +6°36'	H = 105.1 V = +12.2	Rod = -4.6 +12.2 +7.6	top edge brk.
6) 2+94	48	1051 1	+27 4	1046 3	S = 177.2 ≠ = +10°24'	H = 174.3 V = +32.0	Rod = -4.6 +32.0 +27.4	brk.
7) 3+35			-32	1047 9	S = ≠ =	H = 41.0 V =	Rod = -3.2	brk.
8) 3+95	50	1064 6	+85	1059 6	S = 101.7 ≠ = +7°32'	H = 100.8 V = +13.3	Rod = -4.8 +13.3 +8.5	brk.
9) 4+69			-70	1057 6	S = 73.6 ≠ = -1°33'	H = 73.6 V = -2.0	Rod = -5.0 -2.0 = -7.0	brk.

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STATION	B. S.	H. I.	F. S.	ELEV.		Line #10	
) 3+95		10646			CONT from page 110		
0) 5+11	47	10730	+37	10683	S = 116.1 H = 115.8 ∡ = +4°18' V = +8.7	Rod = -5.0 +8.7 +3.7	brk
1) 5+69			-41	10689	S = — ∡ Level. H = 57.9	Rod. = -4.1.	bot. small draw
6+17			+230	10960	S = 109.4 H = 105.8 ∡ = +14°40' V = +27.7	Rod = -4.7 +27.7 +23.0	brk
6 +84			+676	11406	S = 187.7 H = 173.2 ∡ = +22°39' V = +72.3	Rod = -4.7 +72.3 +67.6	top of bank N.E edge road.
	Following is check from Line #10, 6+84 to P-16						
6+84	47	11453		11406			
P.O.T.	52	11573	+68	11521	S = 300.0 H = 299.8 ∡ = +2°15' V = +11.8	Rod = -5.0 +11.8 +6.8	
P-16			+253	11826	S = 154.4 H = 151.4 ∡ = +11°19' V = +30.3 TBM P-16 Elev = 1183.08 Per FB 2941-206	Rod = -5.0 +30.3 +25.3	

Profile Notes Red ____ Plotted ____ Job No. 0095.59 Division No. ____ F.B. 2926 Pg. 111
No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by CLH.B Notes A.C. Date 2-64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. Pg. 112 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

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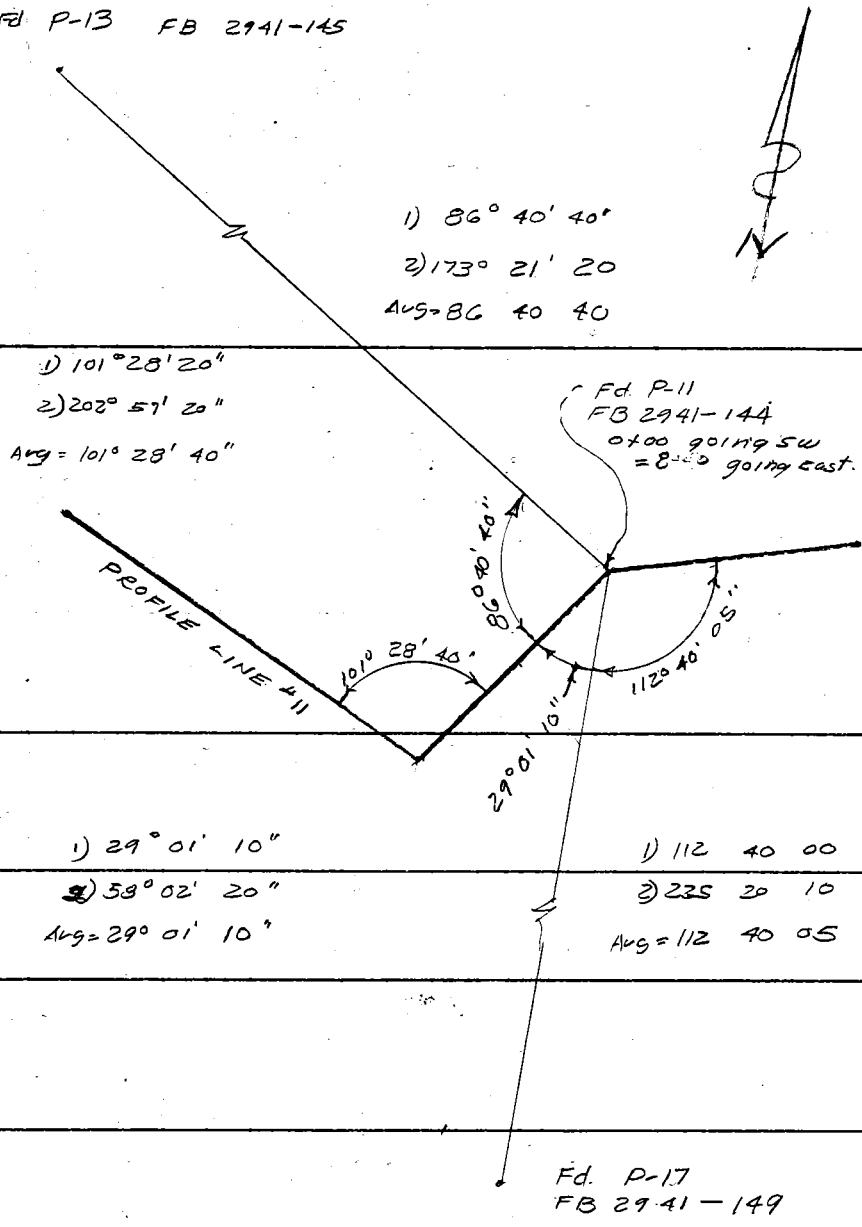
76-L298 CE 307 3-61

Profile No.	Notes Red	Plotted	Job No. 0095.58	Division No.	F.B. 2926	Pg. 113
	Date	Date	Survey of SEVENTH AVE EXTENSION			
X-Sec. No.	Notes Chkd.	Checked	Survey by J.H.B	Notes J.H.B	Date 2-64	
	Date	Date	Map No.	Indexed C. J. GALLI	Date FEB 21 '64	

PROFILE LINE #11 SHEET #4



ELEV.	1) 29° 01' 10"	1) 112 40 00
F. S.	2) 58° 02' 20"	2) 225 20 10
	Avg=29° 01' 10"	Avg=112 40 05
H. I.		
B. S.		
STATION		

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F.B. 2926 Pg. 114 Profile No. X-Sec. No.
Survey of SEVENTH AVE EXTENSION Division No. Plotted Date
Survey by H. K. B. Notes LHB. E.A. CAR. Notes Red Date
Indexed C. J. GALLI Date Notes Chkd. Date Checked Date
009558 Job No.

STATION	B.S.	H.I.	F.S.	ELEV.			#11 South.
SEVENTH AVE EXTENSION					cl. N 0095.58		
PROFILE LINE #11 from P-11 'S 43°W 269' Thence N °W.							
TBM 0+00 P-11	54	10827		10773	Fd. P-11 Elev = 1077.25		FB 2941-199 FB 2941-144.
1) 0+49.3			-26	10801	2.6	H=49.3 Hand level	ahead of P-11 Top brk. Lower than P-11
2 1+11			-348	10479	S=33.8, ∡=-17°33' (HI P.11) 3; -5.4; +5.4; -5.4;	H=32.2 V=-10.2	Rod = -54 Begin draw backed from 4 -10.2; -19.2 = -34.8
3 1+27			-257	10570	1.1	H=15.8 Hand level	back from 4 Top brk. lower than 4 -1.1 -24.6 25.7
TP 4) 1+43	54	10635	-246	10581	S=144.2 ∡=-7°39	H=142.9 V=-19.2	Rod = 5.4 -19.2 -24.6 B.M. #79 Elev = 1058.14 FB 2941-199
5) 1+87			-78	10557	2.4	H=44.4 Hand level	ahead of 4 brk lower than 4
TP 2+69° 6) (1X1) ANGLE POINT	52	10636	-51	10584	0.3	H=126.1	ahead of 4 ground higher than 4 ≠ ft.
TP 7) 3+15	54	10562	-128	10508	S=46.1 ∡=-9°32'	H=45.5 V=-7.6	Rod = -52 -7.6 -72.8 brk.
8) 5+05			-725	9837	S=202.7 ∡=-20°26'	H=189.9 V=-70.8	Rod = -1.7 -70.8 -72.5 brk

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STATION	B. S.	H. I.	F. S.	ELEV.			#11 W
P 7) 3+15		1056 2					
) ~~3+97~~ 5+37	5 2	976 1	−85 3	970 9	S= 237.1 ∡= −20°22′	H= 222.3 V= −82.5	Rod= −2.8 −82.5 −85.3 brk.
~~4+60~~ 6+00	4 9	946 0	−35 0	941 1	S= 69.8 ∡= −25°16′	H= 63.1 V= −29.8	Rod= −5.2 −29.8 −35.0 Top. brk.
) ~~5+60~~ 7+00	5 4	873 7	−77 7	868 3	S= 123.8 ∡= −36°01′	H= 100.1 V= −72.8	Rod= −4.9 −72.8 −77.7 Toe of Slope
) ~~5+92~~ 7+32			−10 4	863 3	5.4 5.0 −10.4	H= 31.9 Hand level	ahead of 11 lower than 11 bott draw
) ~~6+13~~ 7+52			−2 0	871 7	3.4	H= 52.5 Hand level	ahead of 11 higher than 11 brk −5.4 +3.4 −2.0
) ~~6+45~~ 7+85			+26 1	899.8	S= 90.4 ∡= +20°22′	H= 84.7 V= +31.5	Rod= −5.4 +31.5 +26.1 brk.
) ~~6+81~~ 8+21	8+21		+46 0	919 7	S= 131.2 ∡= +23°05′	H= 120.7 V= +51.4	Rod= −5.4 +51.4 +46.0 Top Spur
) ~~7+07~~ 8+41	8+41 5 0	927 8	+49 1	922 8	3.1	H= 20.0 Hand level	ahead of 15 higher than 15 Top brk. +46.0 +3.1 +49.1
7) ~~7+49~~ 8+89	8+89 52	923 7	−9 3	918 5	S= 48.2 ∡= −5°04′	H= 48.0 V= −4.3	Rod= −5.0 −4.3 −9.3 bott draw
3) ~~7+62~~ 9+02			−0 7	923 0	S= — ∡= Level.	H= 12.6 V= 0.0	Rod= −0.7
1) 8 ~~+39~~ 9+79			+57 0	980 7	S= 107.7 ∡= +33°12′	H= 90.1 V= 59.0	Rod= −2.0 +59.0 57.0 brk. bottom cliff

Profile Notes Red ____ Plotted ____ Job No. 0095.58 Division No. ____ F.B. 2926 PG. 113
No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.H.B Notes J.H.B Date 2. 64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. I. GALL Date ____

76-L298 CE 307 3-61

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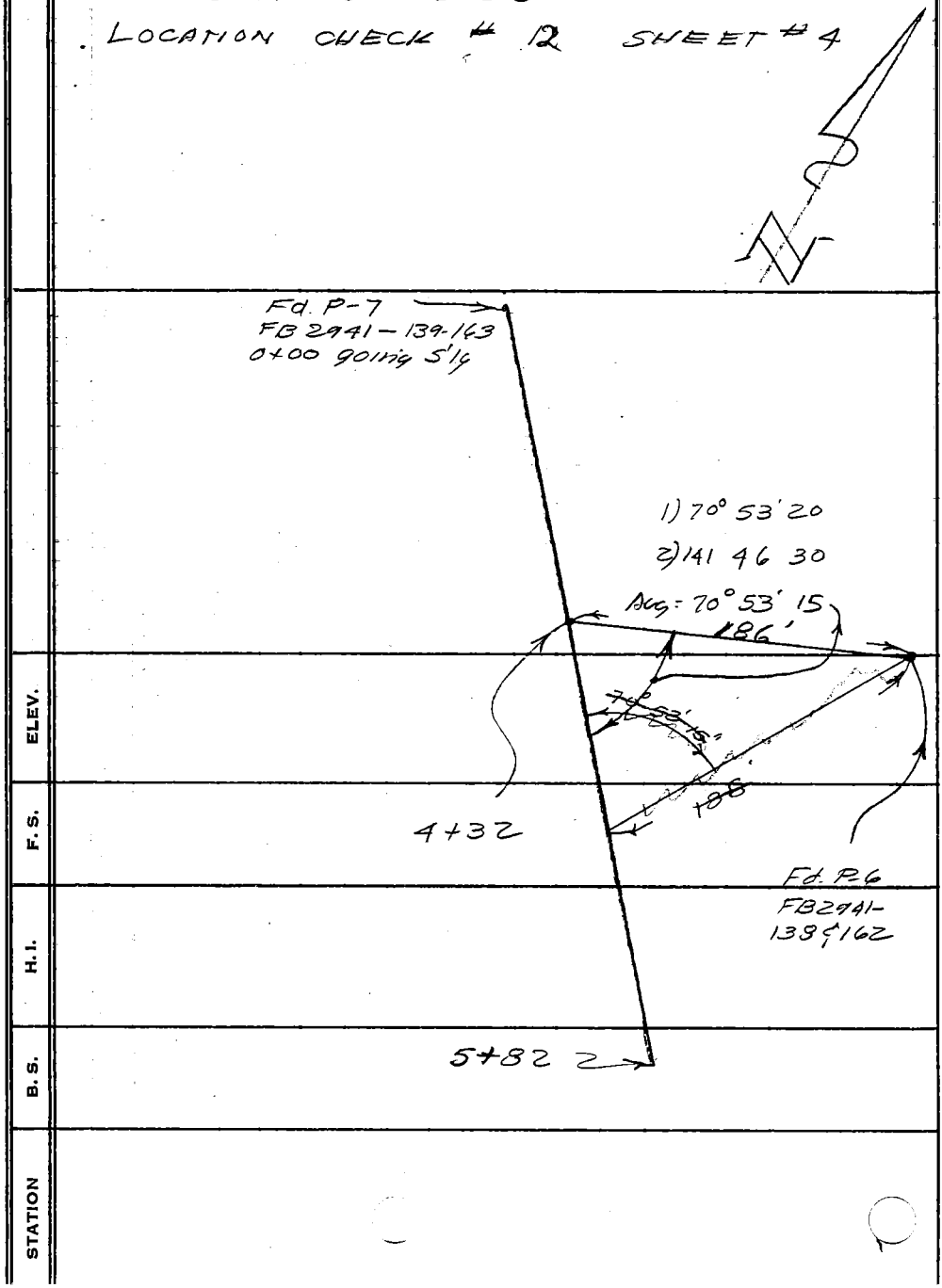
STATION	B.S.	H.I.	F.S.	ELEV.			#11 N
P-11 = 8+40	on PROFILE		LINE # going EAST				
8+40	53	1082.6		1077.3	Fd P-11 Elev = 1077.25		FB 2941-199
1) 8+74			-1.1	1081.5	4.2 (-5.3 / +4.2 / -1.1)	H = 34.4 Hand level	ahead of P-11 higher than " (Top brk.)
2) 9+02.4	51	1084.9	-3.8	1079.8	1.5 (-5.3 / +1.5 / -3.8)	H = 62.4 Hand level	ahead of P-11 higher than " (brk.)
3) 9+90			-24.4	1060.5	S = 90.1 ∡ = -12°21	H = 88.0 V = -19.3	Rod = -5.1 (Bott. brk.) -19.3 / 24.4
4) 10+82			-27.6	1057.3	S = 180.8 ∡ = -7°08'	H = 179.4 V = 22.5	Rod = -5.1 -22.5 / 27.6 (Saddle)
5) 11+59			-21.8	1063.1	S = 257.2 ∡ = -3°43'	H = 256.7 V = -16.7	Rod = -5.1 -16.7 / 21.8 (brk.)
6) 12+00			-15.2	1069.7	S = 297.8 ∡ = -1°57	H = 297.6 V = -10.1	Rod = -5.1 -10.1 / -15.2 (brk.)
7) 12+38			-12.1	1072.8	3.1 (-15.2 / +3.1 / -12.1)	H = 37.6 Hand level	ahead of 6 higher than " (hill top)
8) 12+56			-14.7	1070.2	2.6 (-12.1 / -2.6 / 14.7)	H = 18.0 Hand level	ahead of 7 lower than (Edge brk.)

F.B. 2926 Pg. 116 Job No. 0095.58 Division No. Notes Red Plotted Profile
Survey of SEVENTH AVE EXTENSION Date Date No. X-Sec.
Survey by U.H.B. Notes U.H.B. & A. CARO Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

Profile No.	Notes Red	Plotted	Job No. 0095 58	Division No.	F.B. 2926	Pg. 117
	Date	Date	Survey of SEVENTH AVE EXTENSION			
X-Sec. No.	Notes Chkd.	Checked	Survey by J. N. B	Notes A. C.	Date 2-64	
	Date	Date	Map No.	Indexed C. J. GALL	Date	

SEVENTH AVE EXTENSION
J. N. 0095 58
LOCATION CHECK # 12 SHEET # 4



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

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STATION	B.S.	H.I.	F.S.	ELEV.			#12	
SEVENTH AVE EXTENSION PROFILE CHECK LINE # 12					J.N 009558 SHEET #4			
P-7	53	882 1		876.8	TBM # 7	FB 2941-196	Elev = 876.77	
1) 0+44			-2 6	879 5		H = 44.0	Rod = -2.6	brk.
2) 0+90.	46	8 8 1 7	-5 0	877 1		H = 90.3	Rod = -5.0	brk.
3) 1+26			-9 7	872 0	S = 36.4 ∡ = -8°08'	H = 36.0 V = -5.1	Rod = -4.6 -5.1 -9.7	brk.
4) 2+20			-26 2	855 5	S = 132.0 ∡ = -9°25	H = 130.2 V = -21.6	Rod = -4.6 -21.6 -26 2	brk.
5) 2+89	50	8 44 6	-42 1	839 6	S = 202.1 ∡ = -10°00'	H = 199.0 V = -35.1	Rod = -7.0 -35.1 -42 1	brk.
6) 3+82			-40 3	804 3	S = 99.6 ∡ = -20°52'	H = 93.1 V = -35.5	Rod = -5.0 -35.5 -40.5	brk.
7) 4+32	54	7809	-69 1	775 5	S = 154.5 ∡ = -22°30'	H = 142.7 V = -59.1	Rod = -10.0 -59.1 -69.1	brk.
8) 4+98			-50 6	730 3	S = 80.8 ∡ = -34°16'	H = 66.4 V = -45.2	Rod = -5.4 -45 2 -50 6	Top edge of cliff
9) 5+52				672 5	elev = 3' higher than (11) hand level	H = 30' back from (11) (edge of road)		
10) 5+74				672 5	elev. = 3' higher than (11) hand level	H = 8' back from (11) (edge of road)		

F.B. 2926 Pg. 119
Job No. 009558 Division No. Notes Red Plotted Profile
Survey of SEVENTH AVE EXTENSION Date Date No.
Survey by W.H.B Notes LACARO Notes Chkd. Checked X-Sec.
Indexed C. J. GAIN Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		#12
		780 9				
5+82			111 4	669 5	S = 183.2 ∡ = - 35°20' H = 149.5 V = -106.0	Rod = -5.4 -106.0 -111.4
		Following is check in from line #12 - #7 to P-6.				
4+32	48	780 3		775 5		
iggle Pt.	48	785 9	08	781 1	S = 70.4 ∡ = +4°34' H = 70.2 V = +5.6	Rod = -4.8 +56 +08
P-6			144	771 5	S = 116.0 ∡ = - 4°45' H = 115.6 V = -9.6	Rod = -4.8 -9.6 -14.4
					TBM. P #6 Elev = 771.7	

Profile Notes Red ____ Plotted ____ Job No. 009558 Division No. 11 F.B. 2926 PG. 119
No. ____ Date ____ Date ____ Survey of SEVENTH AVE EXTENSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by J.H.B. Notes A.C. Date 2-64
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F.B. 2926 Pg. 120 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked

Indexed Date Date Date

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