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

F.B. PG.

3596

Tr. 36874	1	Loren Phillips
Tr. 33208	2-9	R.R.Flores (Kemmerer Eng.) + FB 4046-144.
Tr. 29447	10-11	same
Tr. 38958	12	Loren Phillips
Tr. 38566	13	James E. Nelson
Tr. 37949	14-15	Southwest Engineering
Tr. 37279	16	Loren Phillips
Tr. 37280	17-19	Pace Engineering
CL tie in SPedro	20-29	Wilson Bryant & Ass.
Tr. 34257	30-32	Loren Phillips
Tr. 34053	33-34	Pace Engineering
Tr. 31111	35-48	Lind & Hillerud
PM 11286	49	R.R.Flores
Tr. 37681	50	J.H.Edwards Co.
Tr. 33417	51-54	Esco L. Richardson
Tr. 36603	55-56	James O'Malley
Tr. 38665	57-60	Wagner Kerr & Ass.
Tr. 37266	61-63	L.V.Vadase
Tr. 35840	64-66	Eng. Service b Corp.
Tr. 35250	67-68	Ervin Eng.
RS. 3782	69	W. Boston
PM 8597	70-77	Reeds & Son
Tr. 39300	78	Daryl E. Dalcin
Tr. 29719	79-85	R.R.Flores
Tr. 30941	86-100	same
Tr. 34815	101	Daryl E.Dalcin
Tr. 36810	102-104	Atanas Steryo
Tr. 37067	105	Daryl E. Dalcin
Tr. 33648	106-112	Boyd Baestrom & Ass.
Tr. 38397	113	Louis Zehfus
Tr. 39010	114	same
Tr. 36694	115	Baughman, Sheenen & Ass.
Tr. 37074	116	Wagner Kerr & Ass.
Tr. 38453	117	Weslay R. Lind
PM 12985	118-120	Psomas & Ass.
Tr. 32750	121	Tierra Eng.
Tr. 34268	122-123	Engineering Service Corp.
Tr. 34469	124-125	Wagner Kerr & Ass.
Tr. 35272	126-128	same
Tr. 35397	129	Loren Phillips & Ass.
Tr. 35429	130-131	same
Tr. 35789	132	Engineering Service Corp.
Tr. 35923	133-134	M.W.Finley Corp.
Tr. 36755	135	Loren Phillips & Ass.

con't.

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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403 LOS ANGELES COUNTY ENGINEERING BLDG.

CENTERLINE NOTES
CE 310
76F3095-4/7

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

F.B. PG

3596

Tr. 35526	136	Winchell Surv. Co.
Tr. 37506	137	James E. Nelson
Tr. 35773	138	Loren Phillips & Ass.
Tr. 37979	139	Dyson Y. Hamner
Tr. 36367	140	James E. Nelson
Tr. 37822	141	same
Tr. 39268	142	Sikand Engineering
Tr. 35708	143-146	Spindler Engineering Corp.
Tr. 37270	147	Dyson Y. Hamner
Tr. 38303	148	James E.Nelson
Tr. 36086	149	Denn Engineering
Tr. 36435	150	South Bay Engineering
Tr. 37306	151	Wesley R.Lind
PM 11248	152-154	Ervin Engineering

Pages 155 - 174: Private Surveyor Notes:
Precise leveling for USGS, portion of line 2, junction of line 2A, and line 2A, from Glendale to Saugus and up to Palmdale Area.
Survey done by R.Clark Wilson, LS 3223 from 5/6-80 to 5/21-80.

Pages 175-184: Line 3: Azusa to Islip Saddle

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

CENTERLINE NOTES
CE 310
76F3095-4/73

CO ENG DB 3596 - 1

SURVEY OF TIES - EL CENTRO AVE. F. B. Pg.

SURVEY BY LOREN PHILLIPS & ASSOC. TR. No. 36874

DATE APRIL 1960

W.S. 8 C-3

SO. CALIF. BLUE PRINT CO.

2

CREW CO ENG FB 3596 - 2

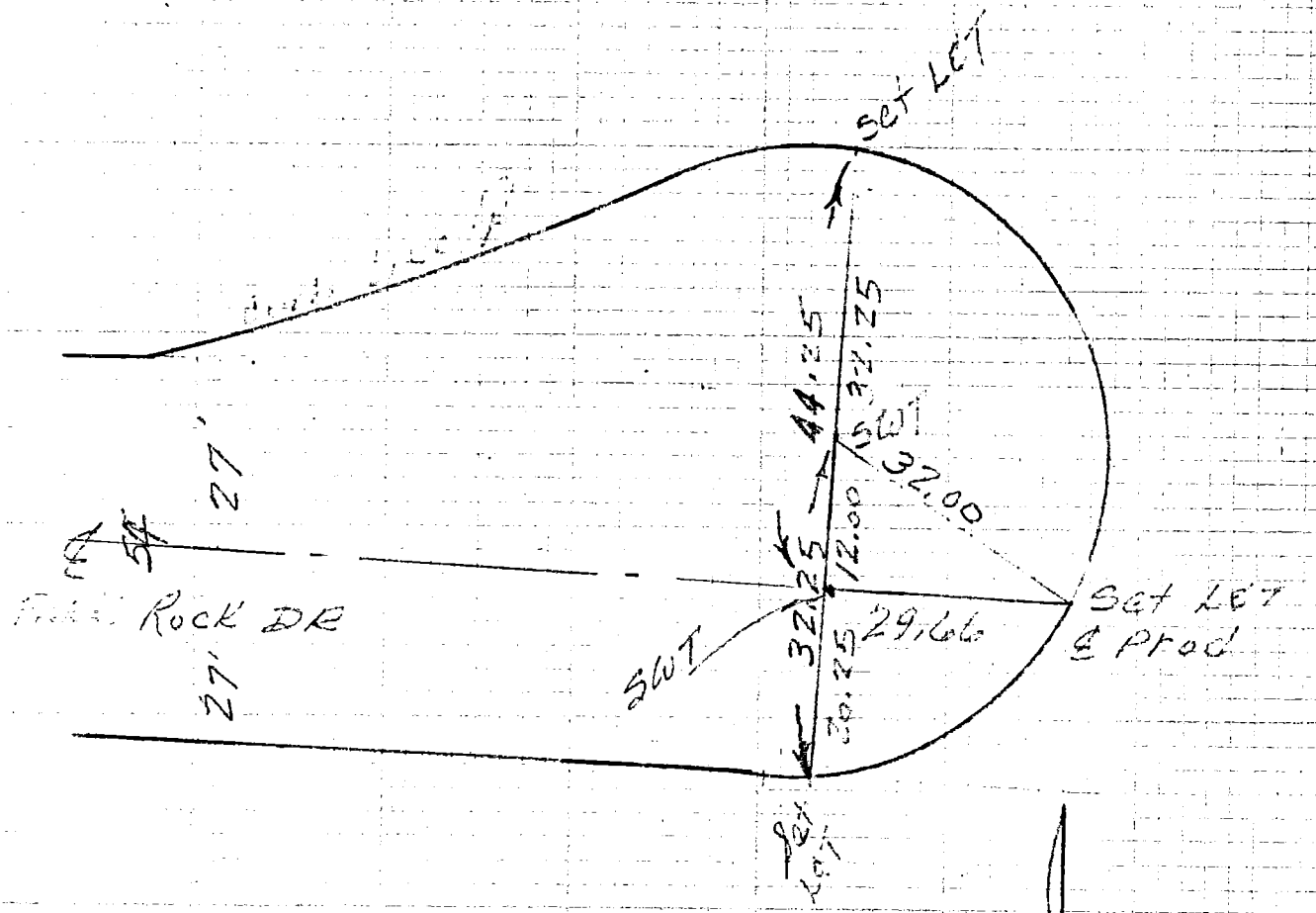
KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

JOB NO.

DATE

PAGE OF

ROBERT R. FLORES - R.C.E. 11349
TRACT NO. 33208



CO ENG FB 3596 - 3

CREW

JOB NO.

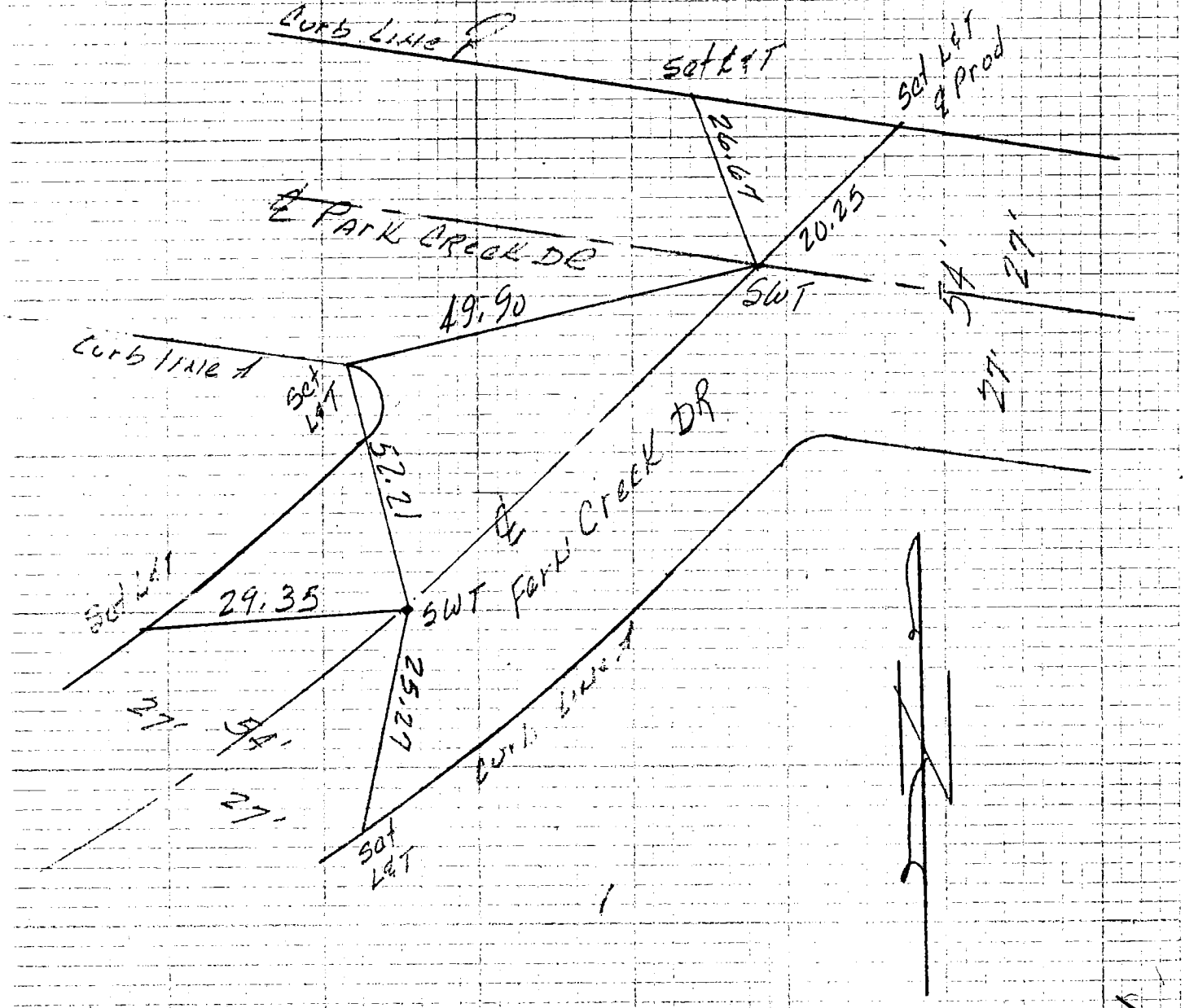
DATE

PAGE OF

KEMMERER ENGINEERING CO., INC.
6735 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

WS 114-297B-2

ROBERT R. FLORES - R.C.E. 11349
TRACT NO. 33208



KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

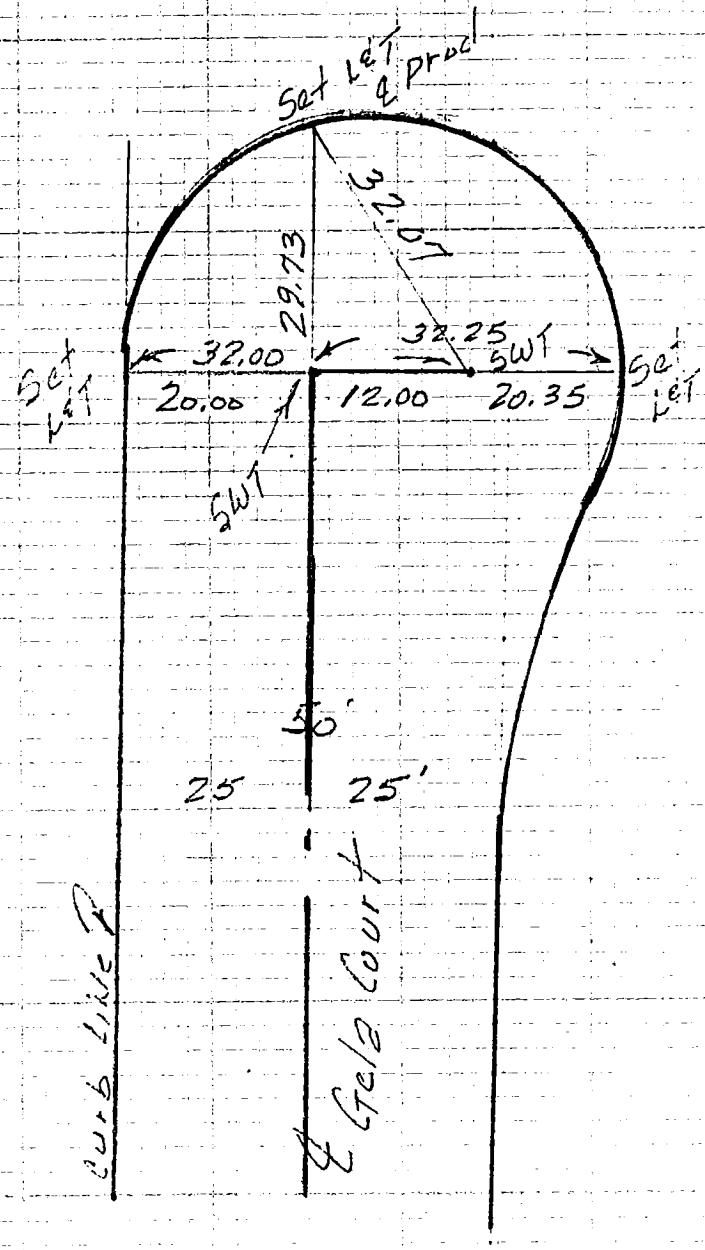
4 CREW _____ CO ENG FB 3596 - 4

JOB NO. _____

DATE _____

PAGE _____ OF _____

ROBERT R. FLORES - R.C.E. 11349
TRACT NO. 33208



5

CREW

CO ENG FB 3596 - 5

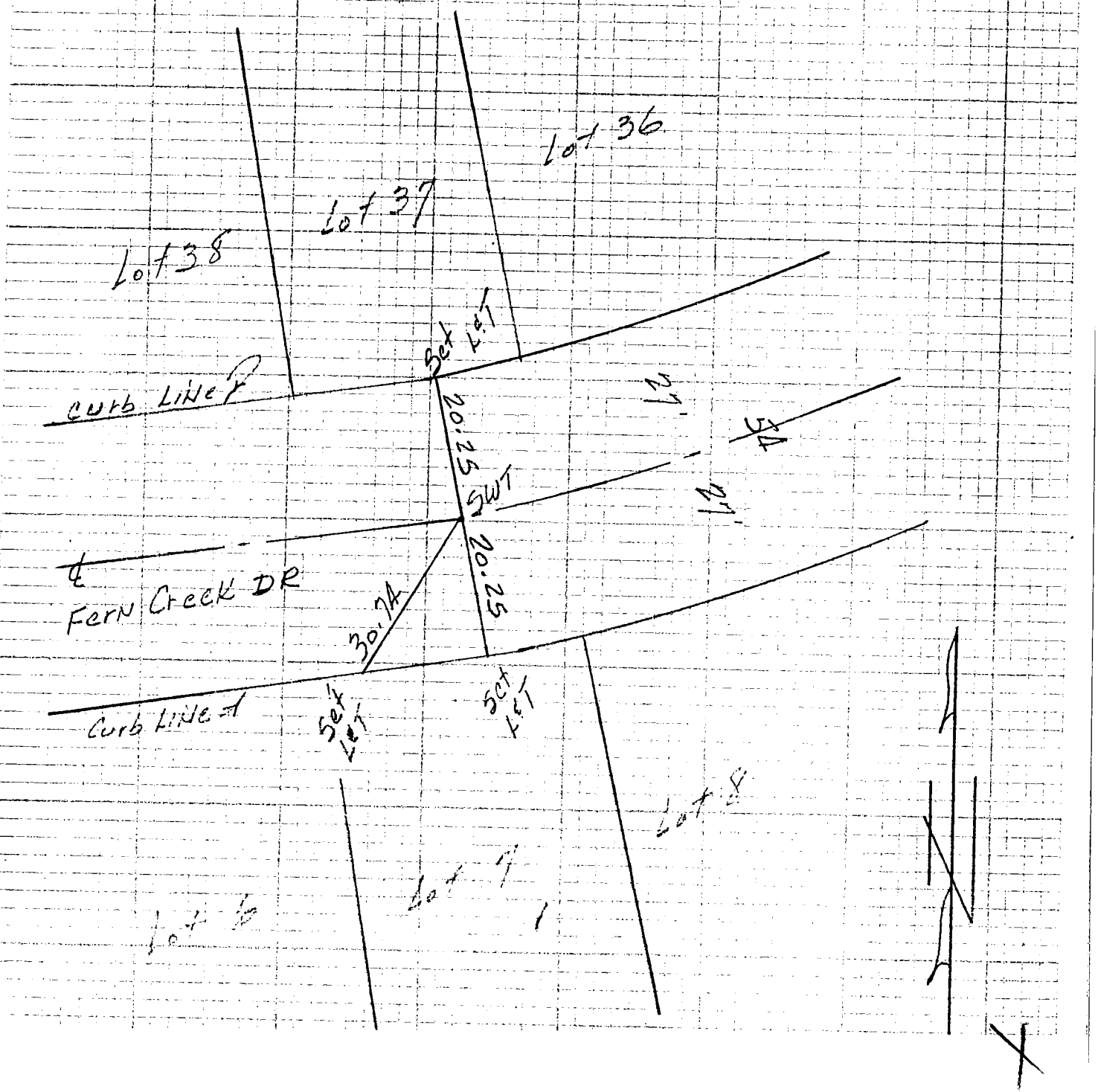
KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

JOB NO.

DATE

PAGE OF

ROBERT R. FLORES - R.C.E. 11349
TRACT NO. 33208

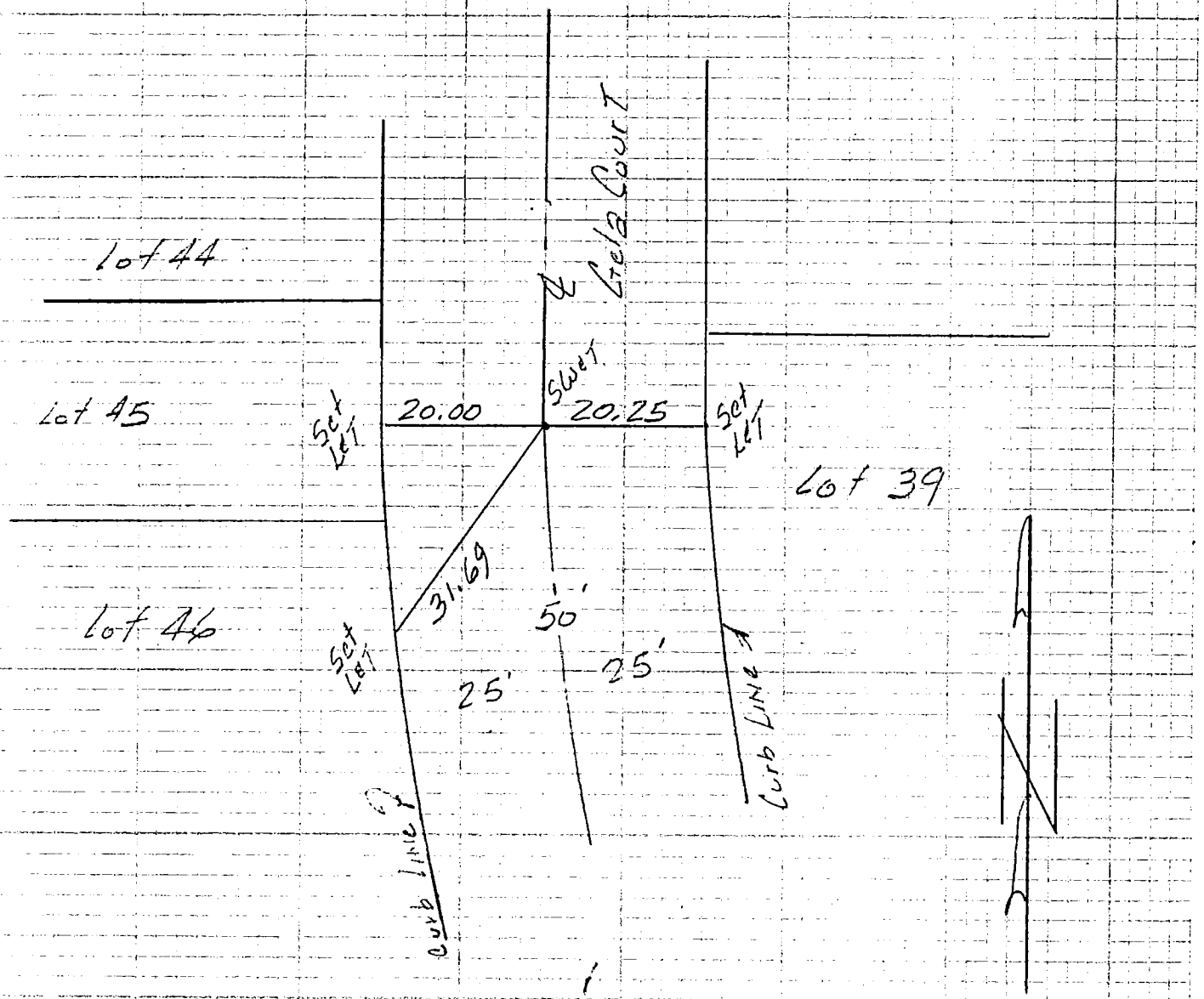


6 CREW CO ENG FB 3596 - 6

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

JOB NO
DATE
PAGE OF

ROBERT R. FLORES - R.C.E. 11349
TRACT NO. 33208



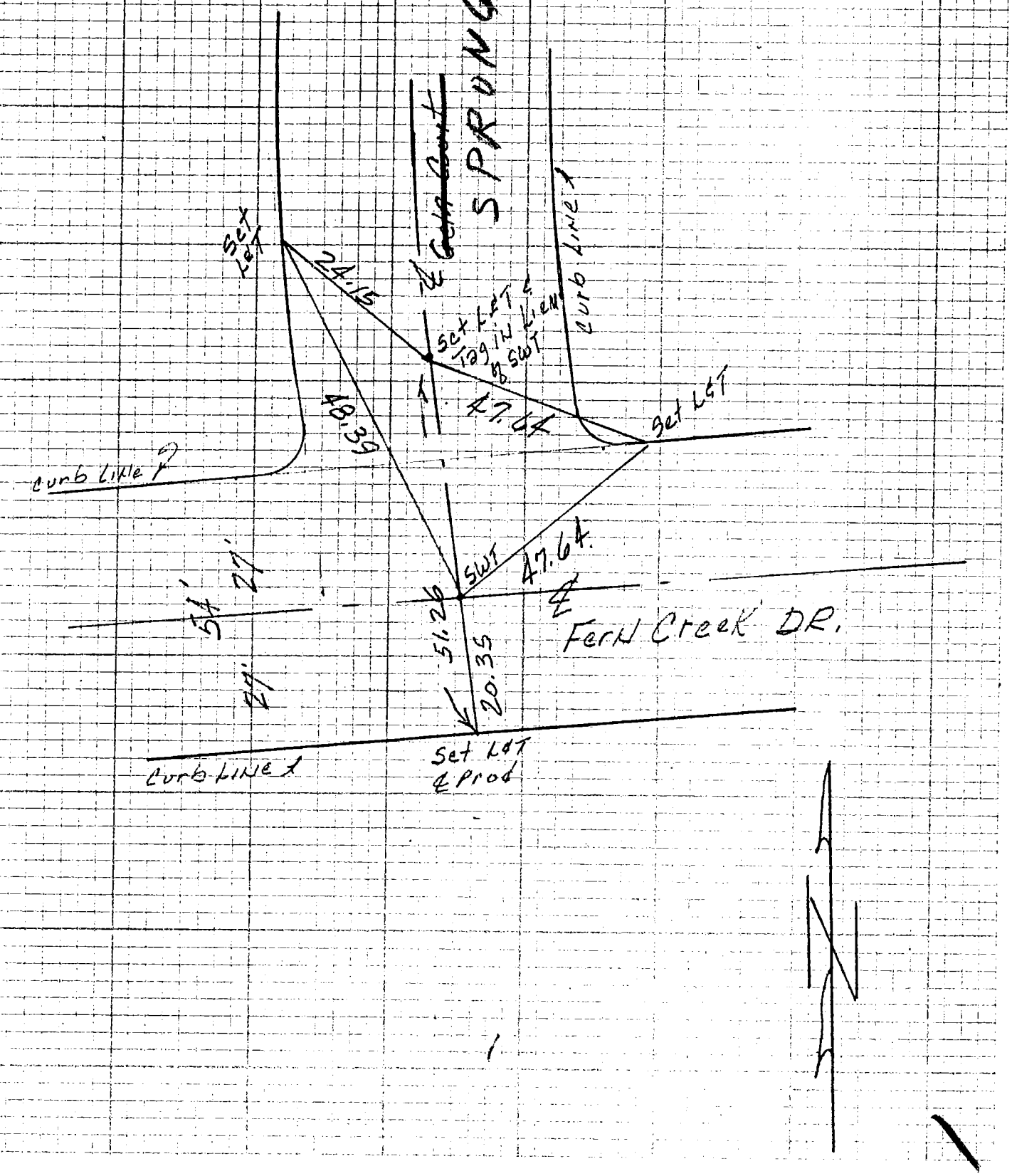
KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

JOB NO.
DATE
PAGE OF

29

114-297 B-2

ROBERT R. FLORES - R.C.E. 11349
TRACT NO. 33208



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6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

JOB NO.
DATE
PAGE OF

ROBERT R. FLORES - R.C.E. 11349
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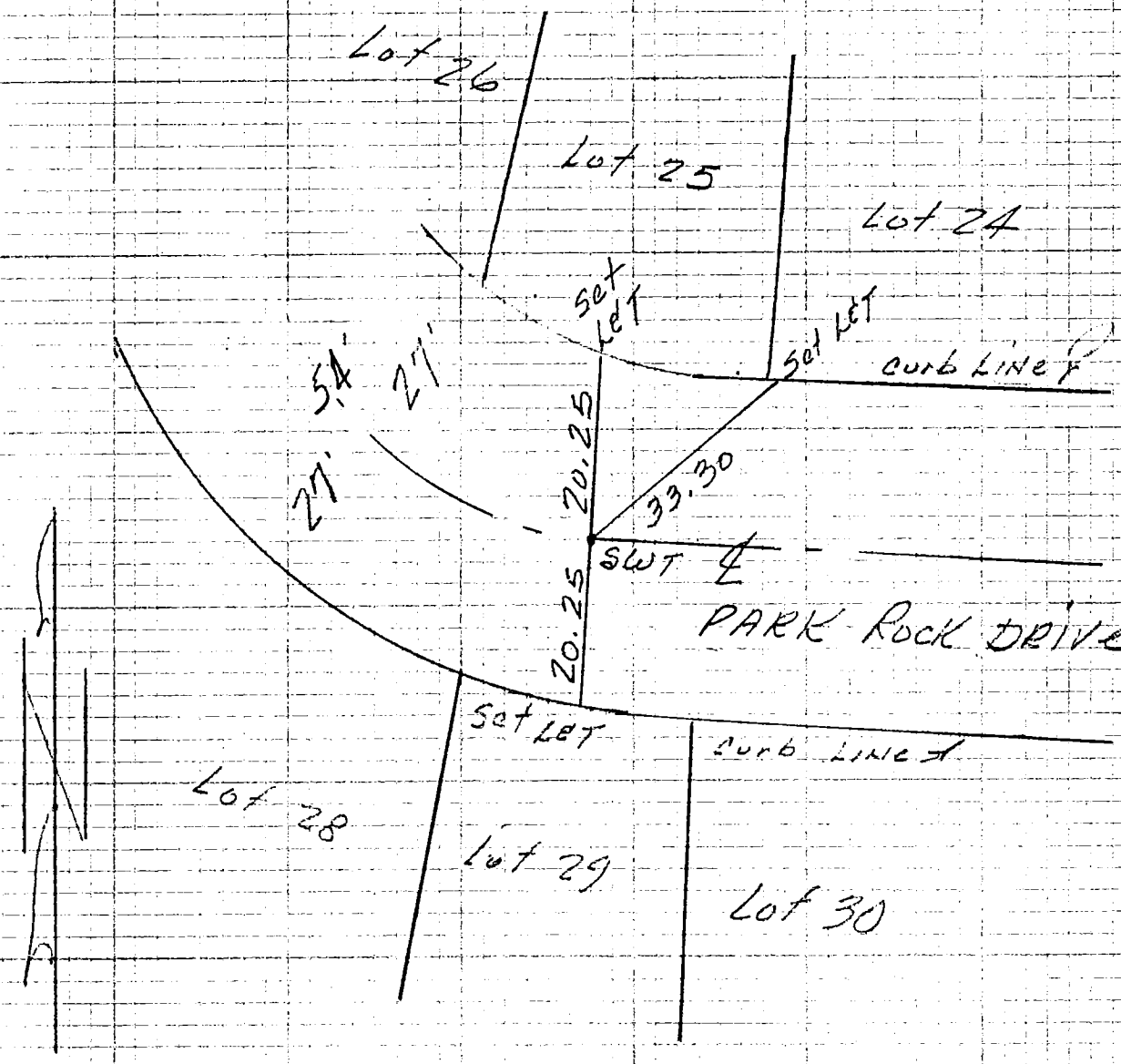


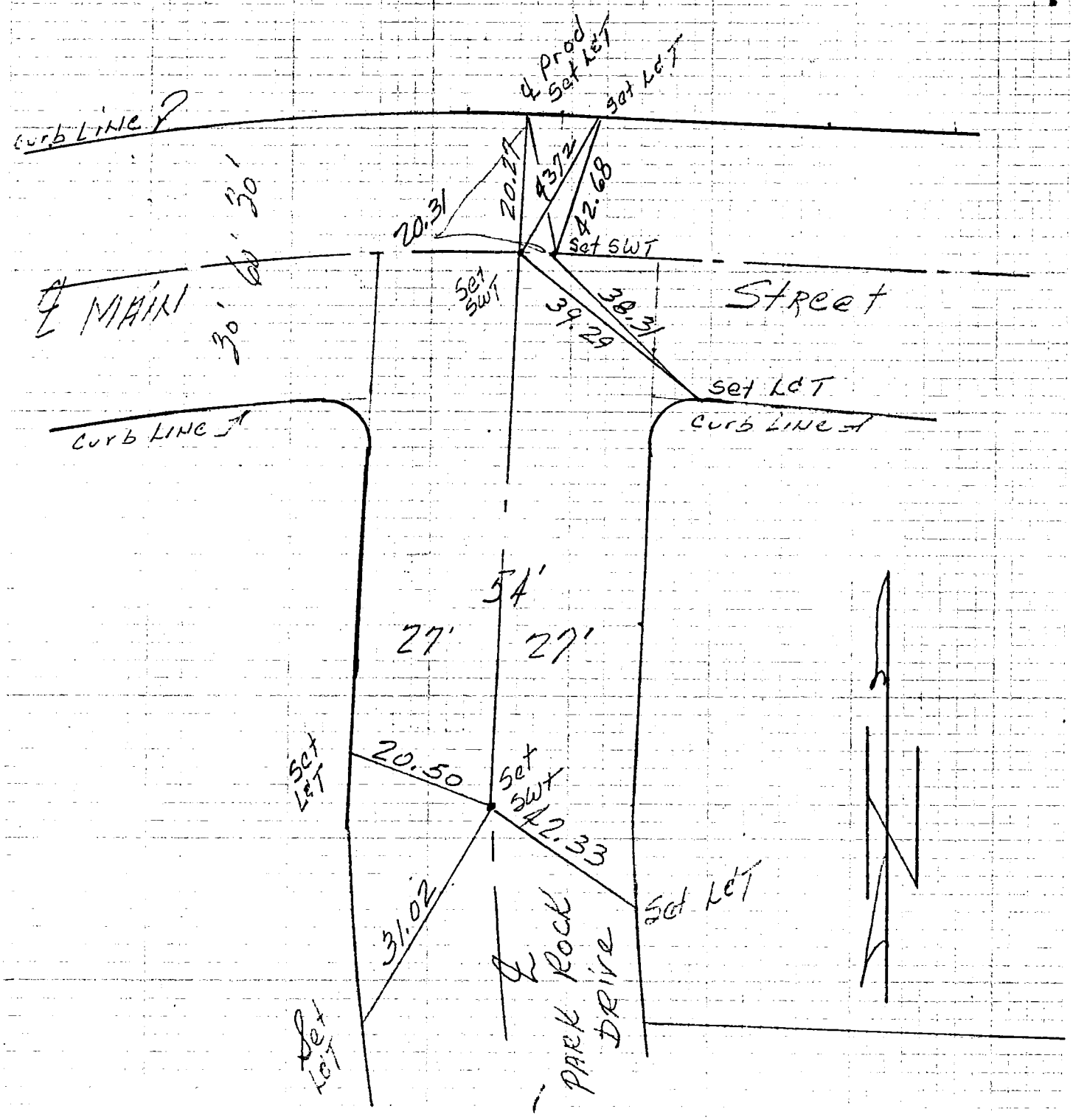
9 CREW CO ENG FB 3596 - 9

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

JOB NO.
DATE
PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 33208

114-297, B-2



KEMMERER ENGINEERING CO., INC.
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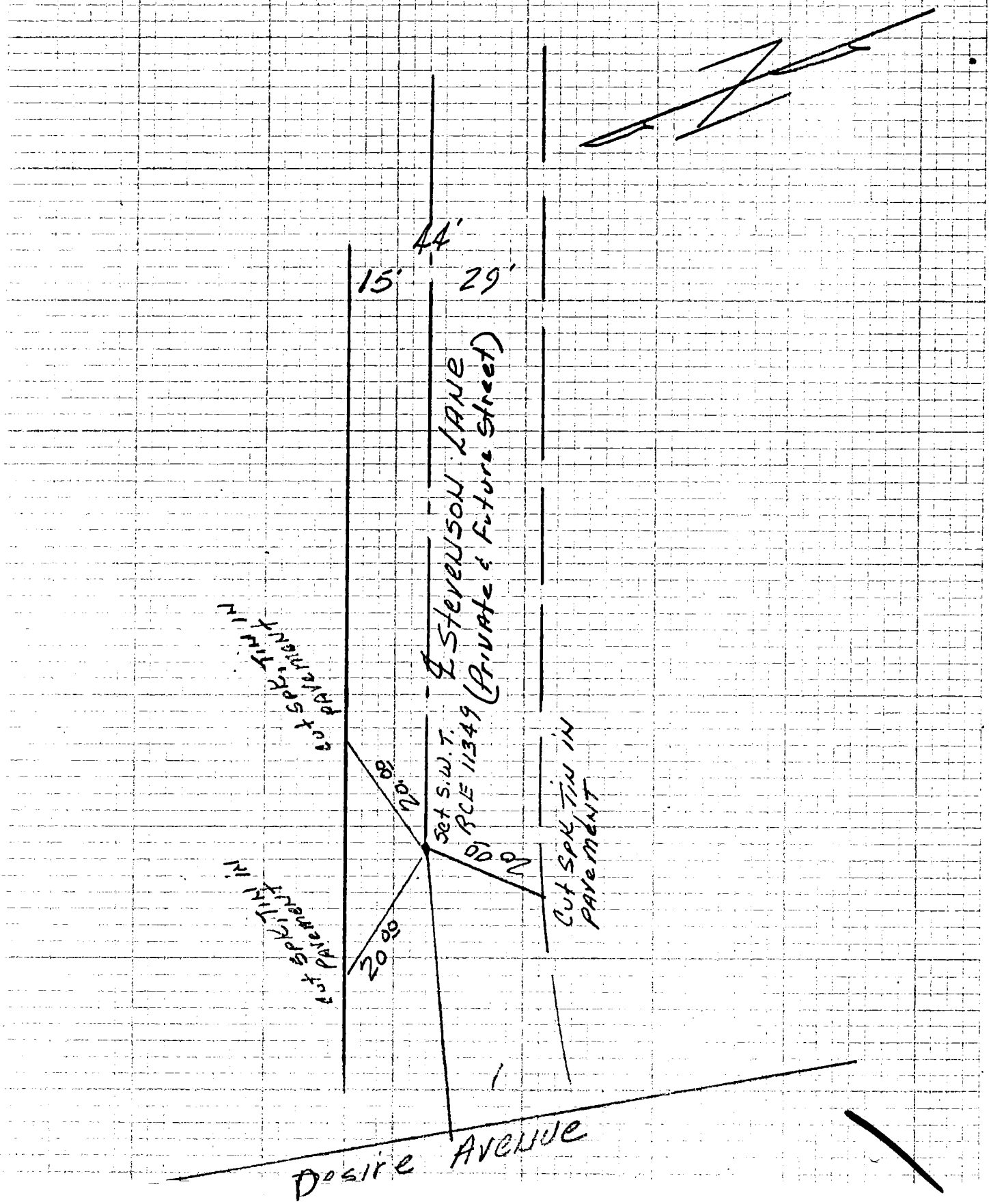
JOB NO.
DATE
PAGE OF 43

TRACT NO. 29447
ROBERT R. FLORES-R.C.E. 11349
MARCH 1980



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JOB NO.
DATE
PAGE OF

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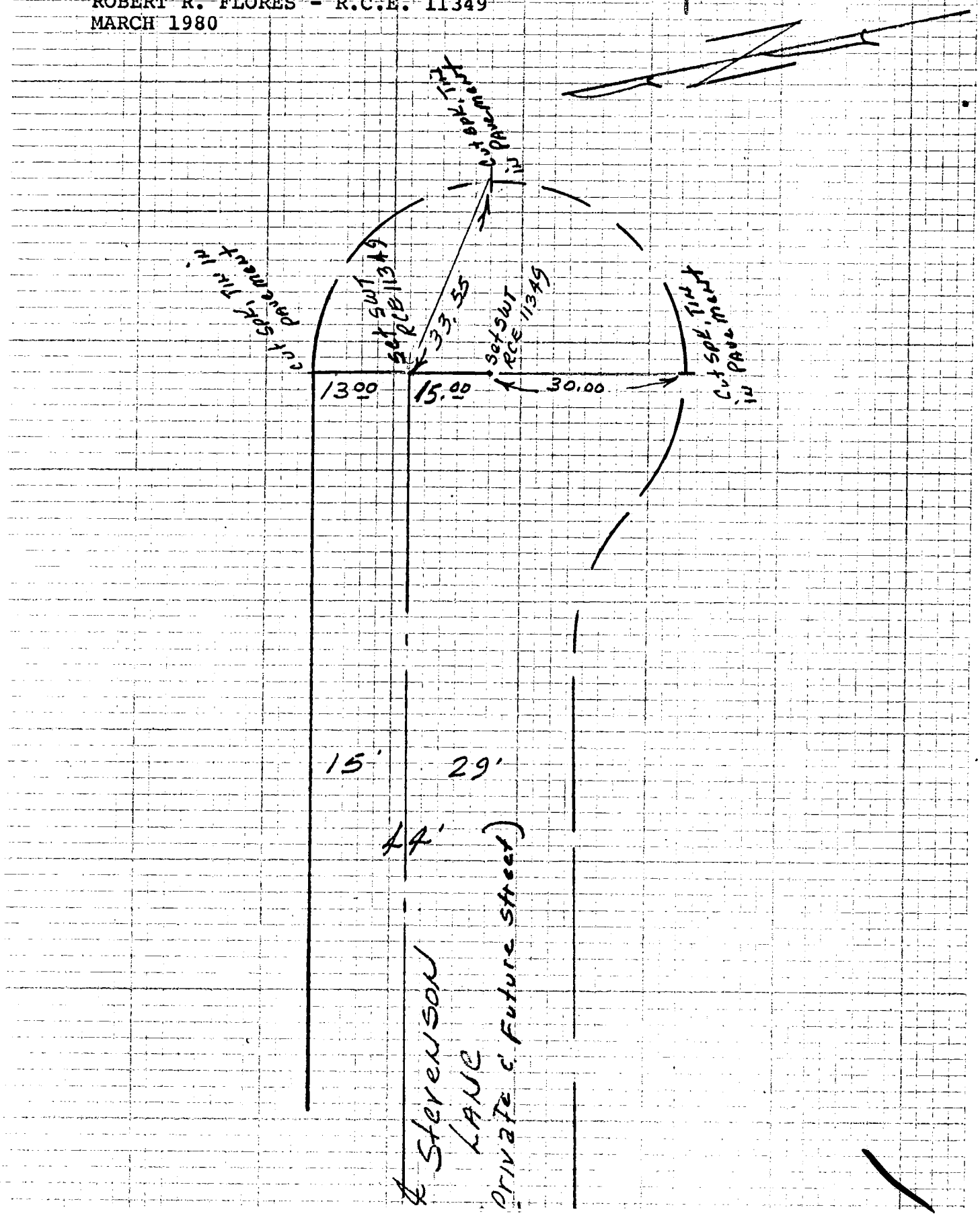
ROBERT R. FLORES - R.C.E. 11349
MARCH 1980



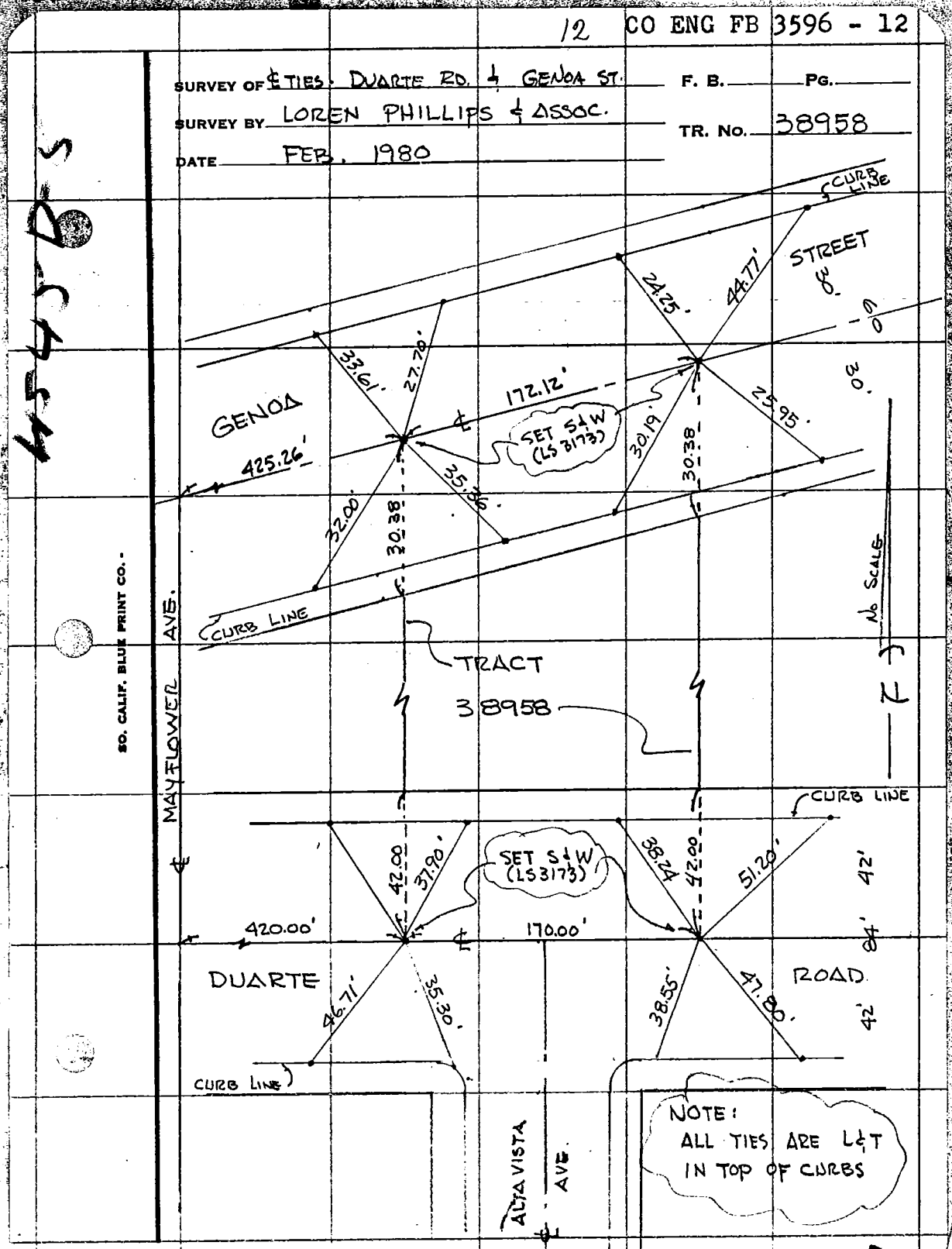
12 CO ENG FB 3596 - 12

SURVEY OF ℄ TIES: DUARTE RD. & GENOA ST. F. B. ____ PG. ____

SURVEY BY LOREN PHILLIPS & ASSOC. TR. NO. 38958

DATE FEB. 1980

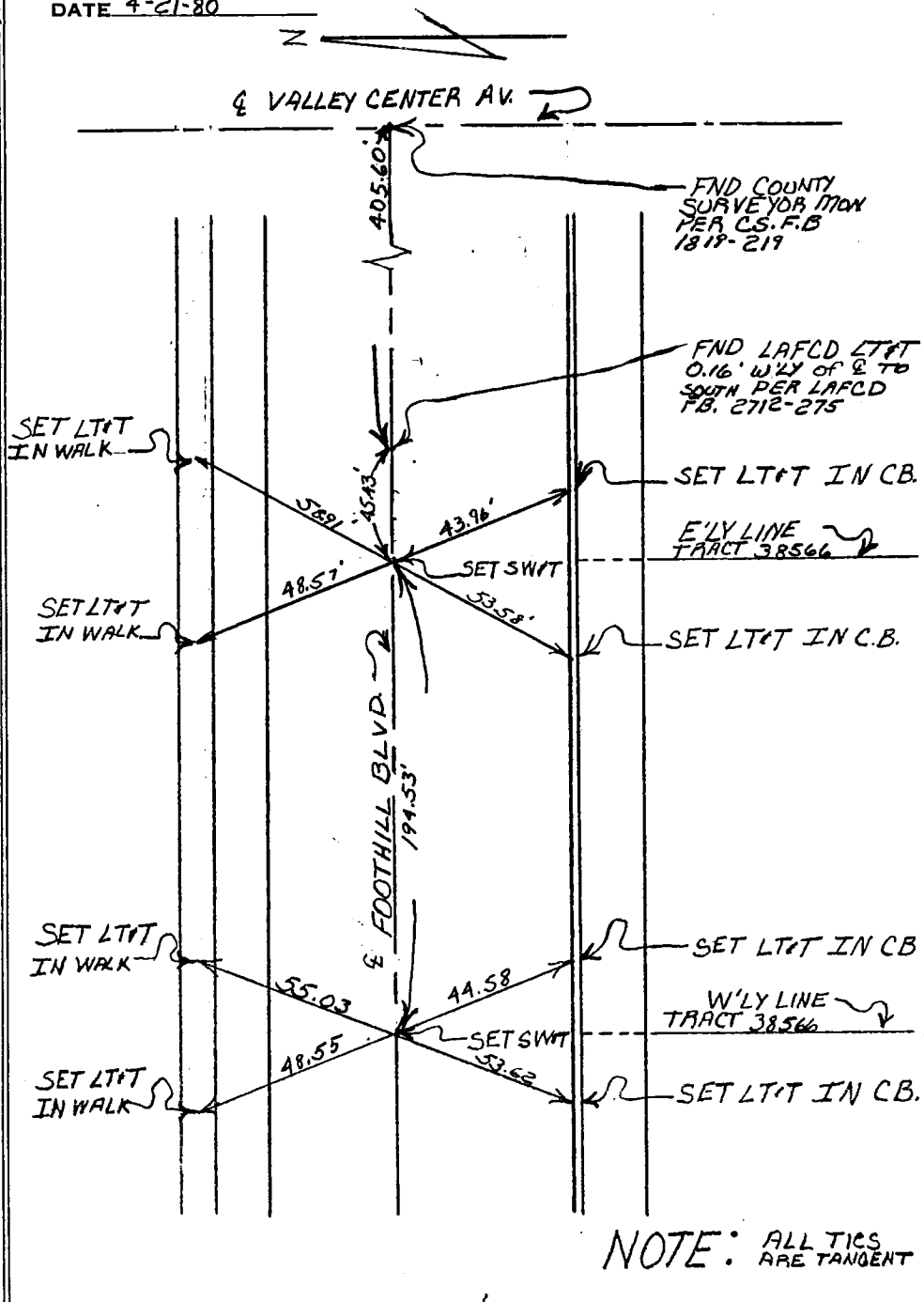
45485



SURVEY OF FOOTHILL / GLENDORA F B NO. PAGE

SURVEY BY JAMES E NELSON RCE 22406 TRACT NO. 38566

DATE 4-21-80



NOTE: ALL TICS ARE TANGENT

SURVEYORS SERVICE COMPANY COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

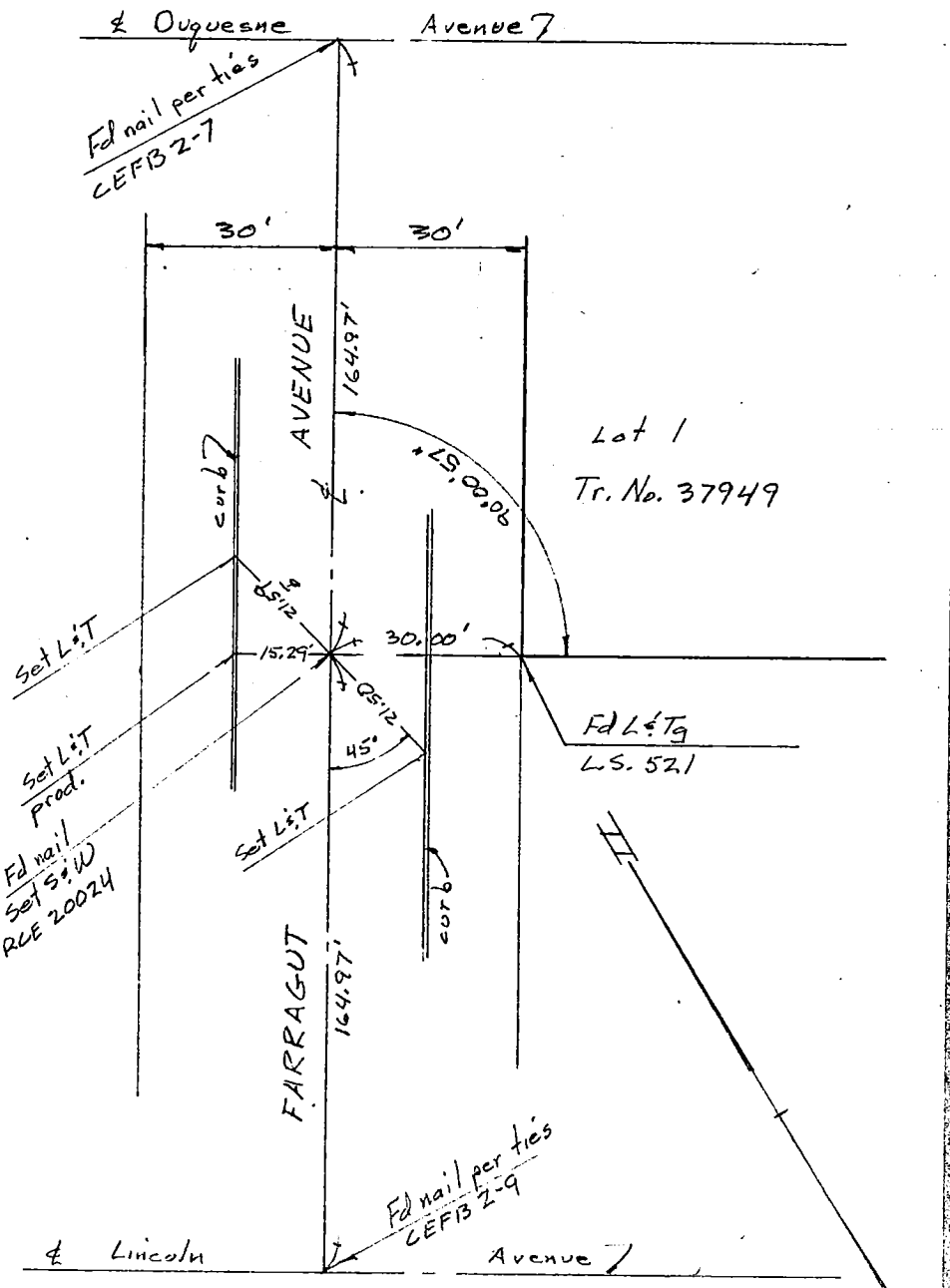
W5U8B-2

19 ' CO ENG FB Z3596 - 14

SURVEY OF Centerline Ties F B NO. PAGE

SURVEY BY Southwest Engineering TRACT NO. 37949

DATE April 11, 1980



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SURVEYORS SERVICE COMPANY COSTA MESA - STOCK NO. 411

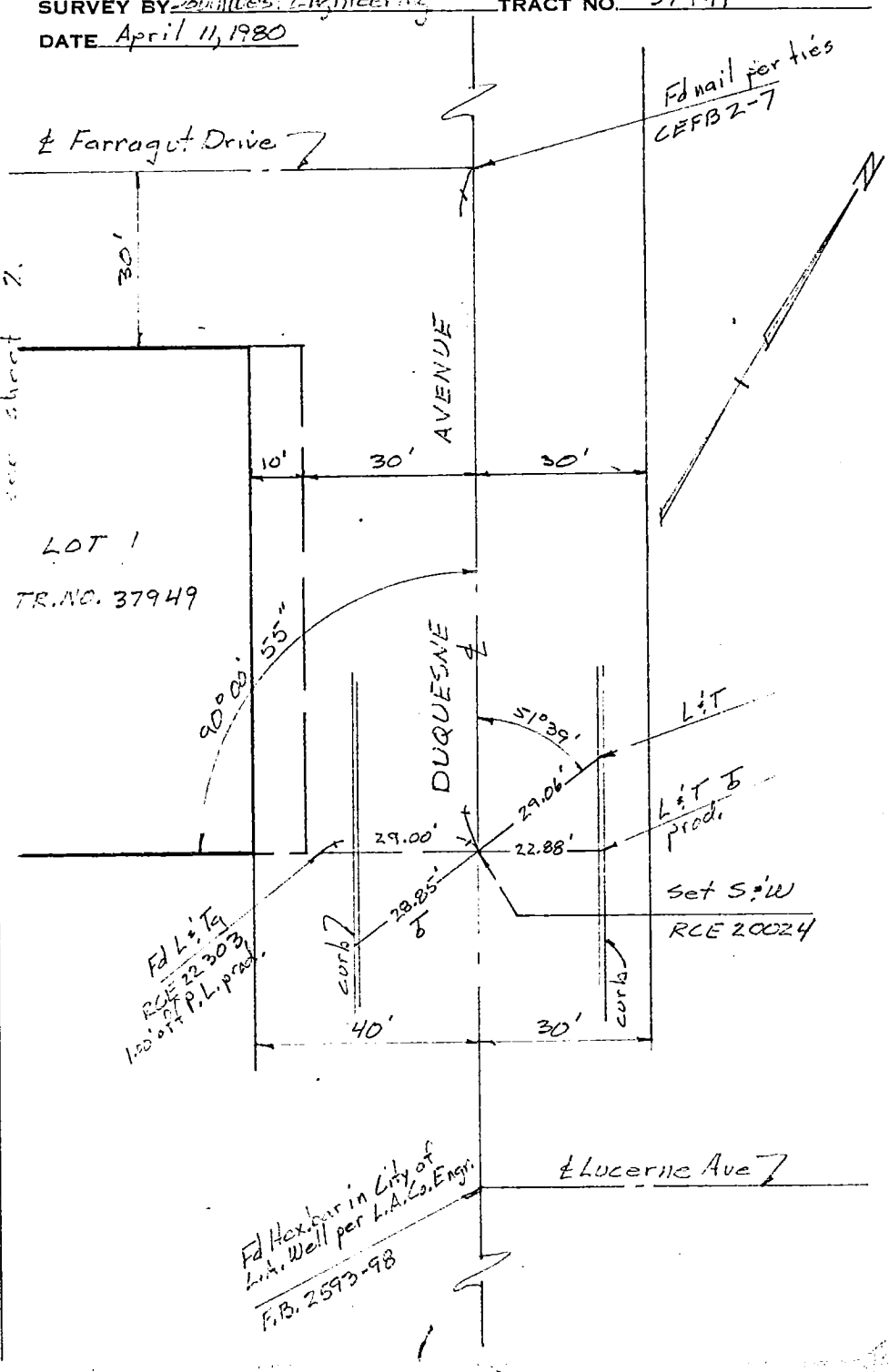
1152 3D

15 CO ENG FB 3596 - 15

SURVEY OF Centerline Ties F B NO. PAGE

SURVEY BY Southwest Engineering TRACT NO. 37949

DATE April 11, 1980



SURVEYORS SERVICE COMPANY COSTA MESA - STOCK NO. 411

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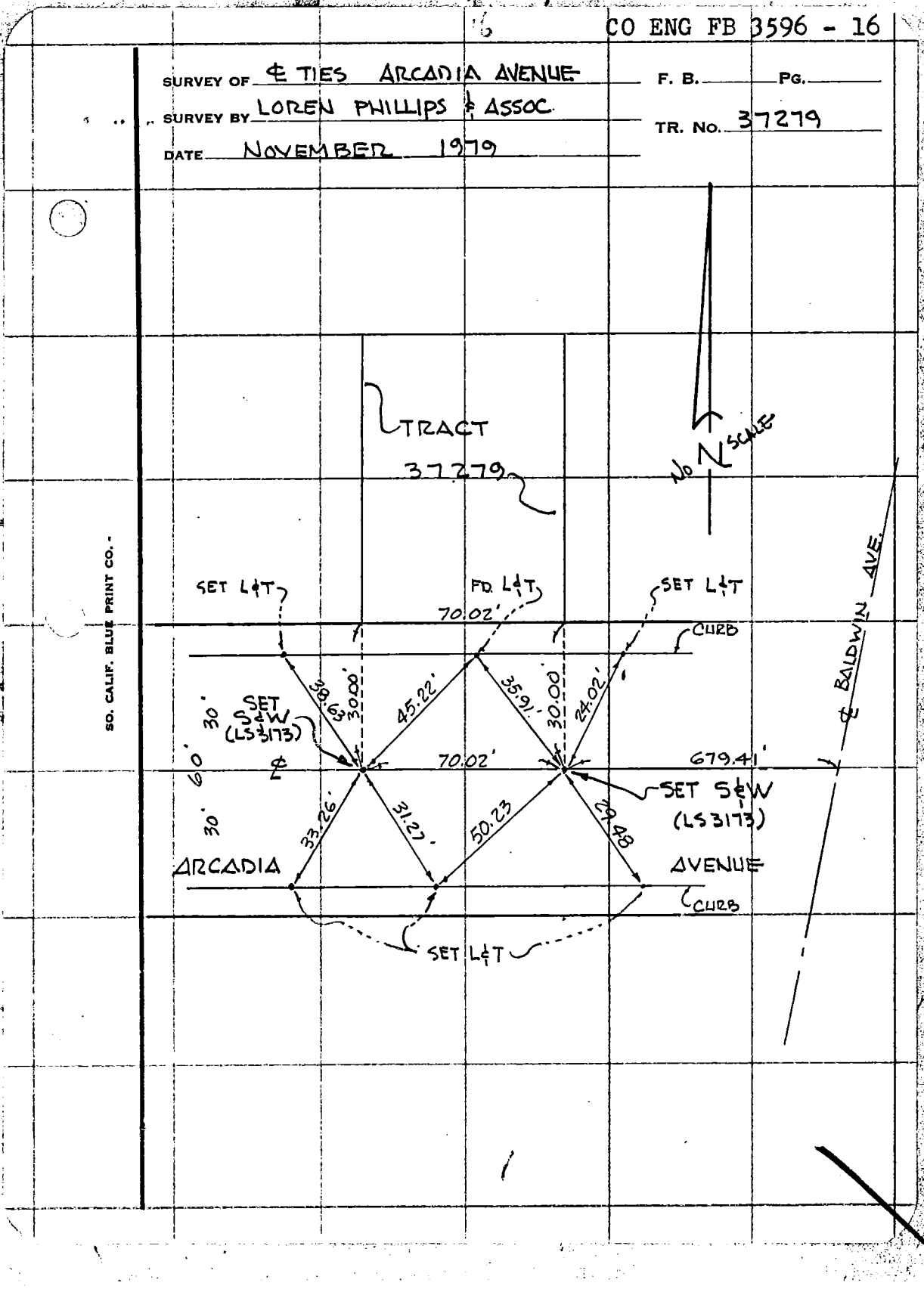
N 52 3 D

CO ENG FB 3596 - 16

SURVEY OF ℄ TIES ARCADIA AVENUE F. B. PG.

SURVEY BY LOREN PHILLIPS & ASSOC. TR. No. 37279

DATE NOVEMBER 1979



CO ENG FB 3596 - 17

ENG. 3.883B (12/78)
Title & Plat Sheet
50% Rag

Surveyed by PACE ENGINEERING Date 11-14-79 F.B. _____ Pg. _____

Type of Survey ℄ TIES Sheet 1 of 3

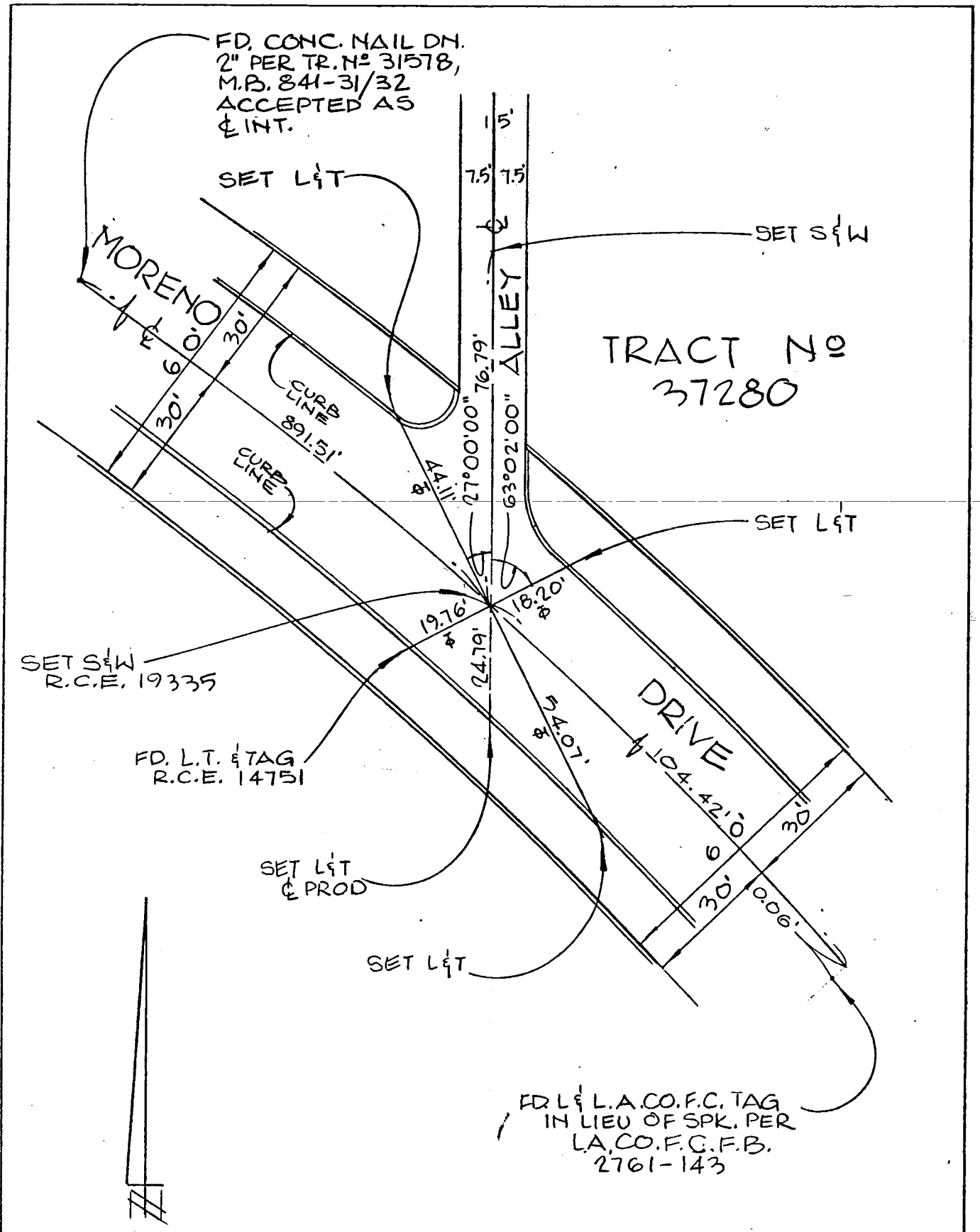
Distances corrected to 68° YES Monuments tagged

LS # _____ Tract or
RCE # 19335 Parcel Map # 37280

Checked by _____ Date _____ km grid _____ MB _____

NOTE: Additions or changes must be initialed, and dated.

WS 22A-4



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200 N. Main St. — Los Angeles 90012

Ground Dist. X Correction Factor: _____ = Grid Distance

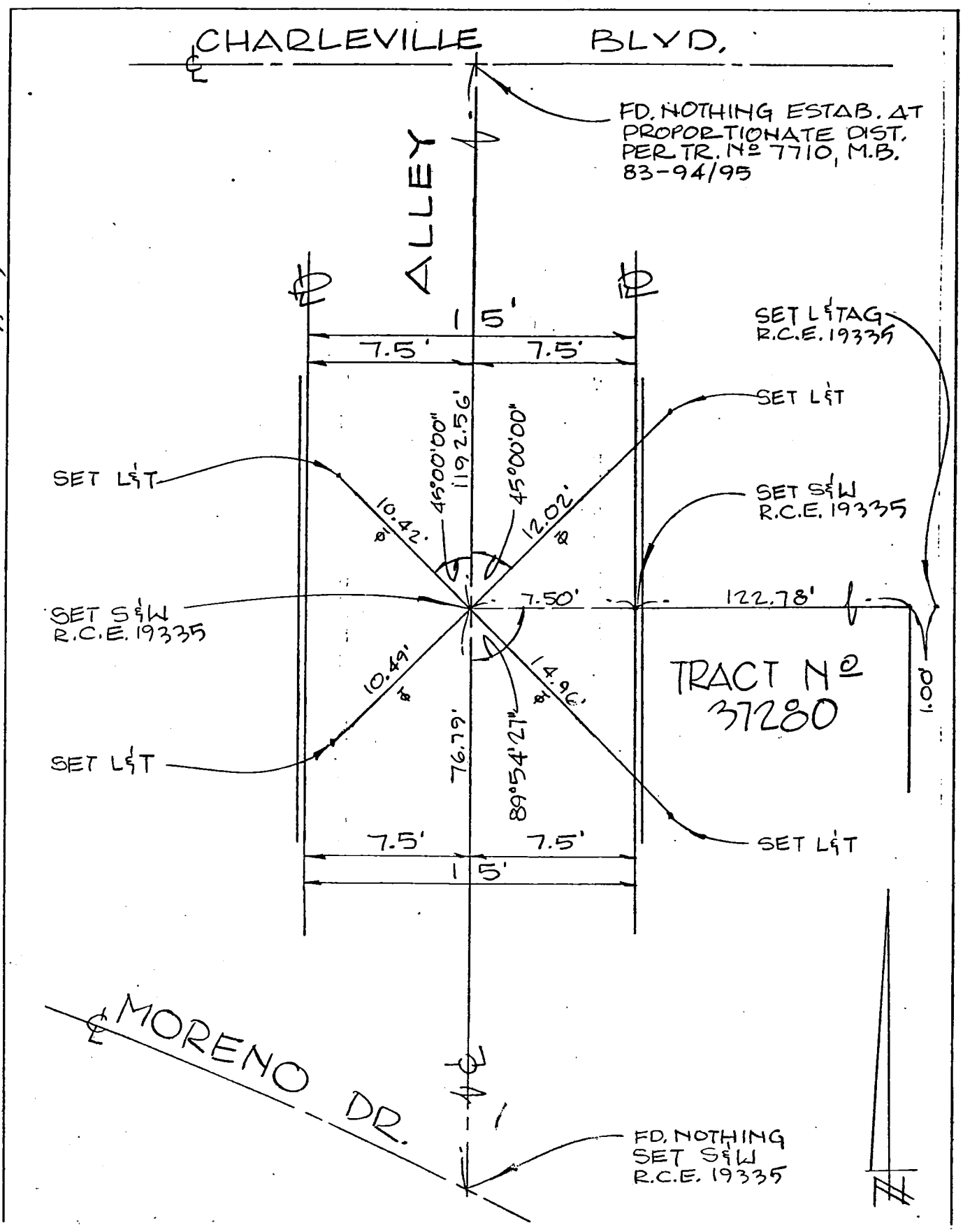
ENG. 3.883B (12/78)
Title & Plat Sheet
50% Rag

Surveyed by PACE ENGINEERING Date 11-14-79 F.B. _____ Pg. _____

Type of Survey ℄ TIES Sheet 2 of 3

Distances corrected to 68° YES Monuments tagged LS # _____ RCE # 19335 Tract or Parcel Map # 37280

Checked by _____ Date _____ km grid _____ MB _____



NOTE: Additions or changes must be initialed, and dated.

Ground Dist. X Correction Factor: _____ = Grid Distance

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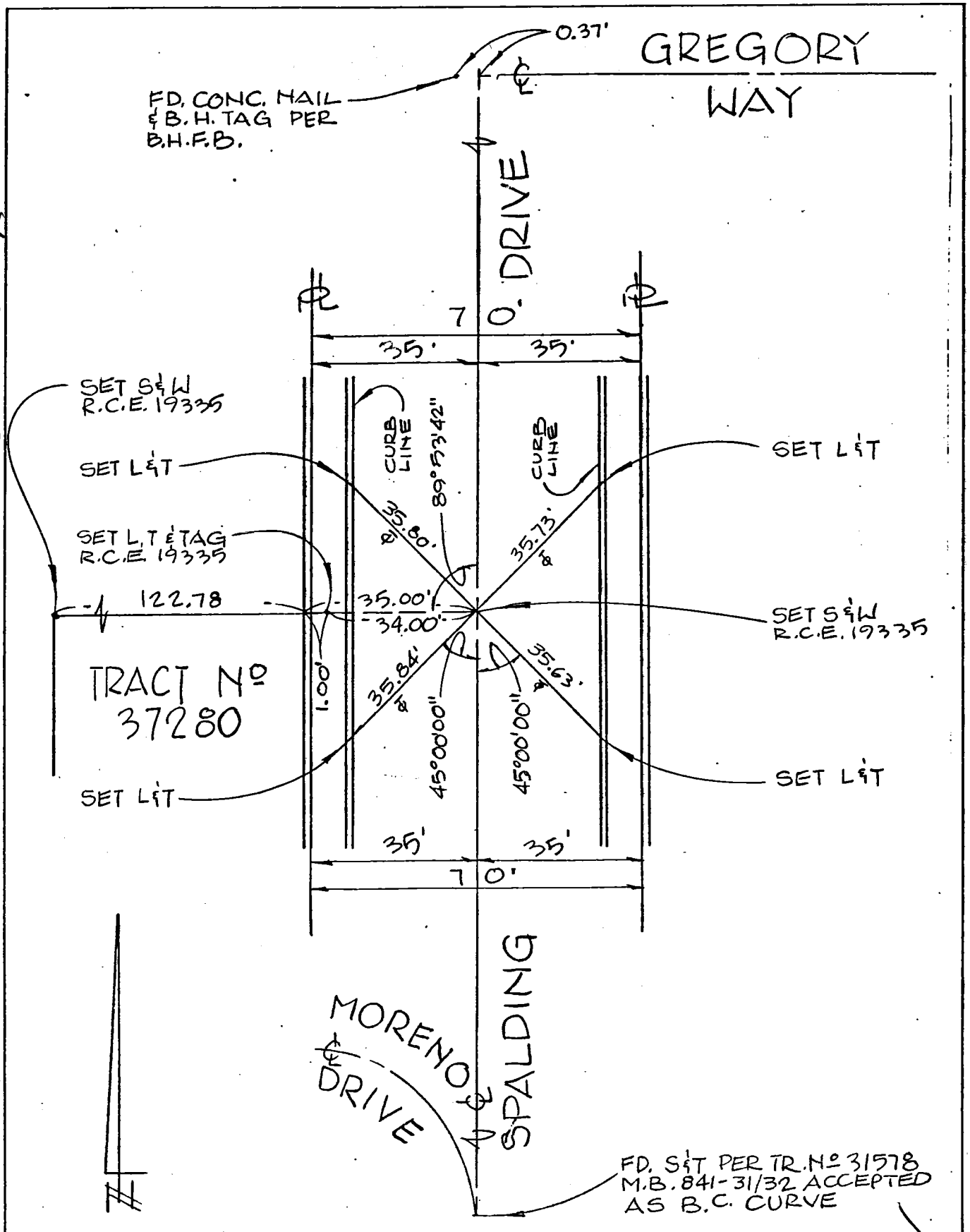
3.883B (12/78)
Title & Plat Sheet
50% Rag

Surveyed by PACE ENGINEERING Date 11-14-79 F.B. _____ Pg. _____

Type of Survey ℄ TIES Sheet 3 of 3

Distances corrected to 68° YES Monuments tagged LS # _____ RCE # 19335 Tract or Parcel Map # 37280

Checked by _____ Date _____ km grid _____ MB _____



NOTE: Additions or changes must be initialed, and dated.

W.S. 22 A-4

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SURVEY DIVISION, Rm. 835
200 N. Main St. — Los Angeles 90012

Ground Dist. × Correction Factor: _____ = Grid Distance

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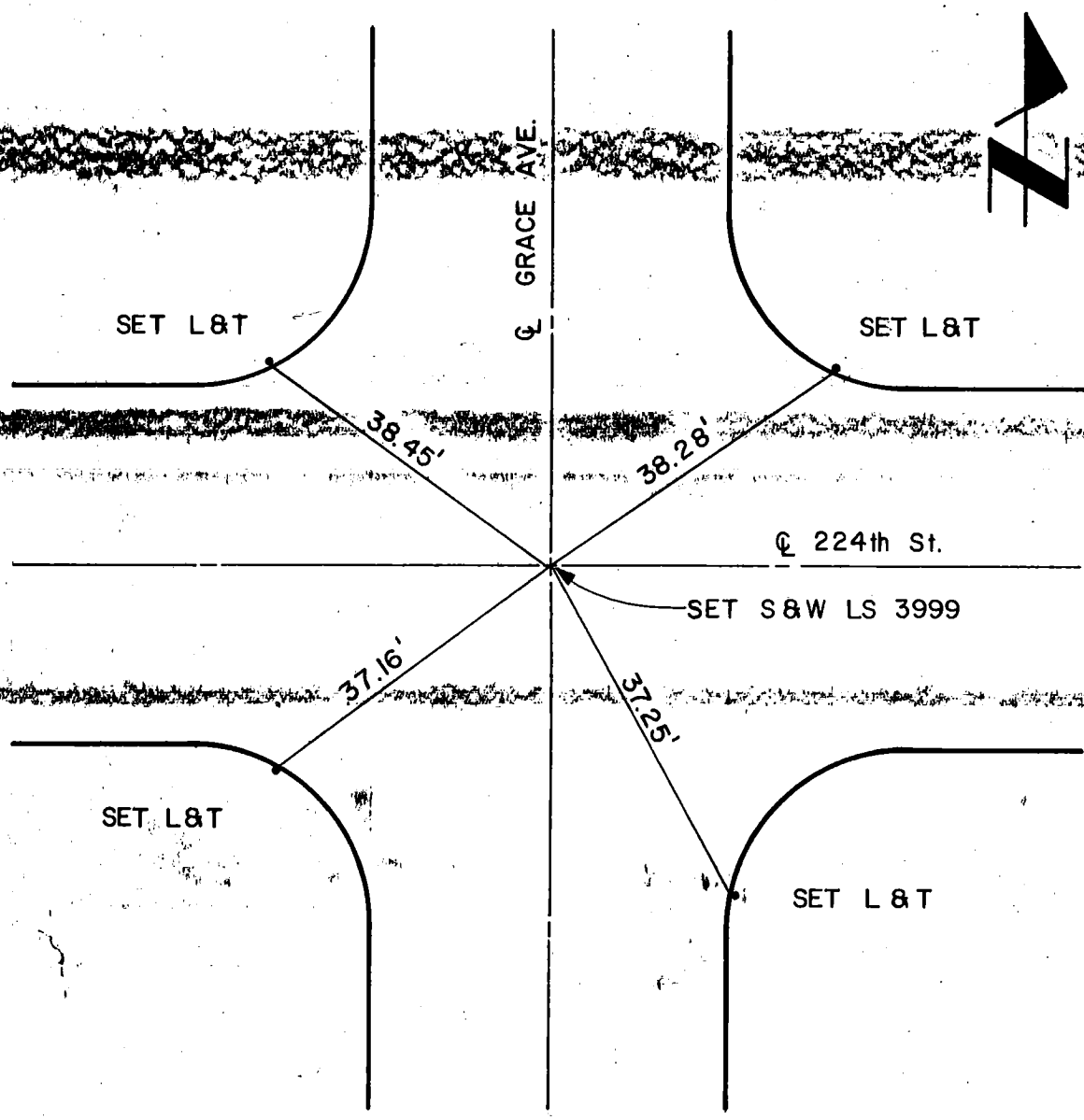
143 S. BREA BL. BREA, CA., 92621
(714) 990-0123

℄ TIES



W.S 28-C1

CD ENG FB 3596 - 21

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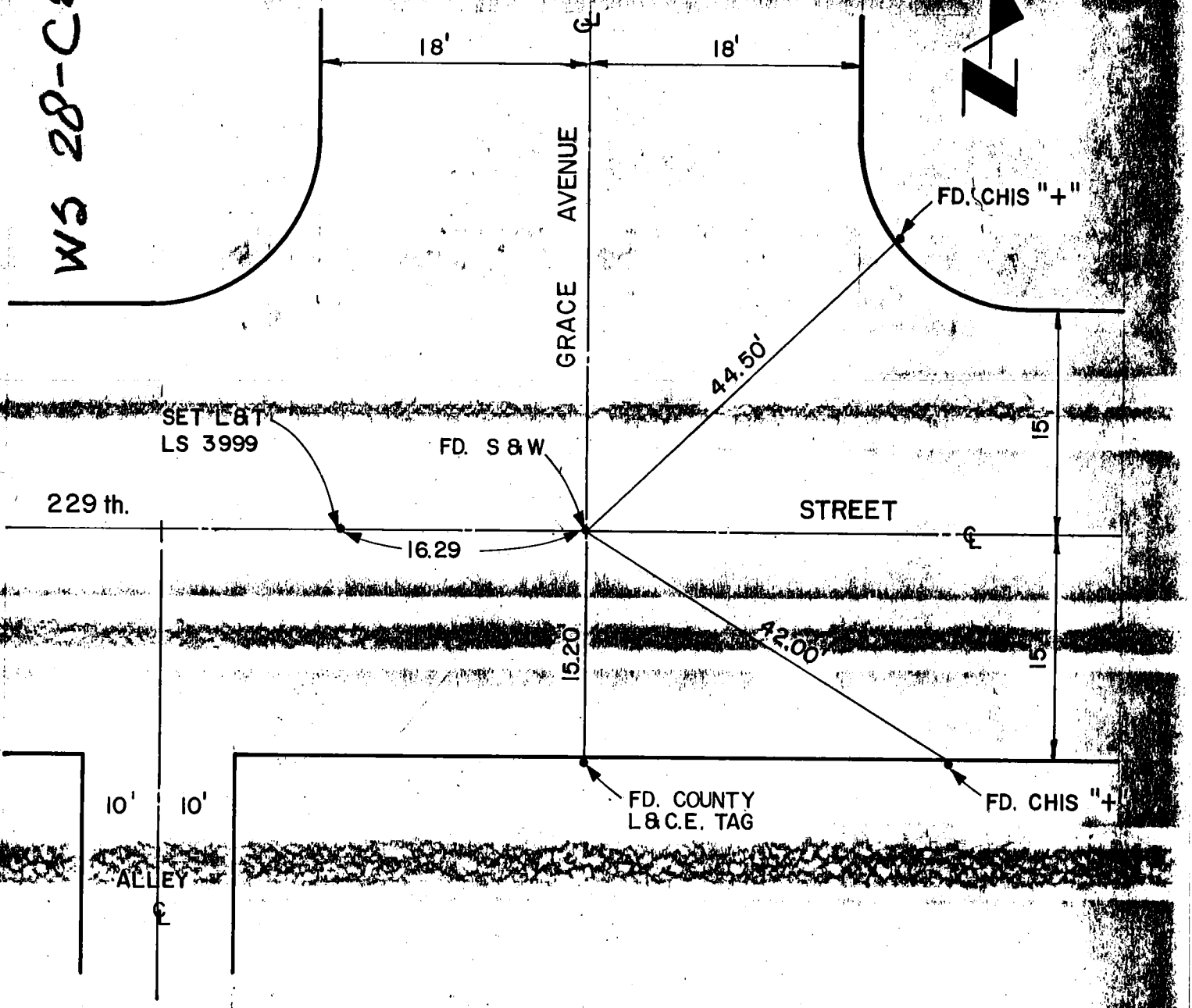
(714) 990-0123

℄ TIES

W3 28-C2



28-C2-166.

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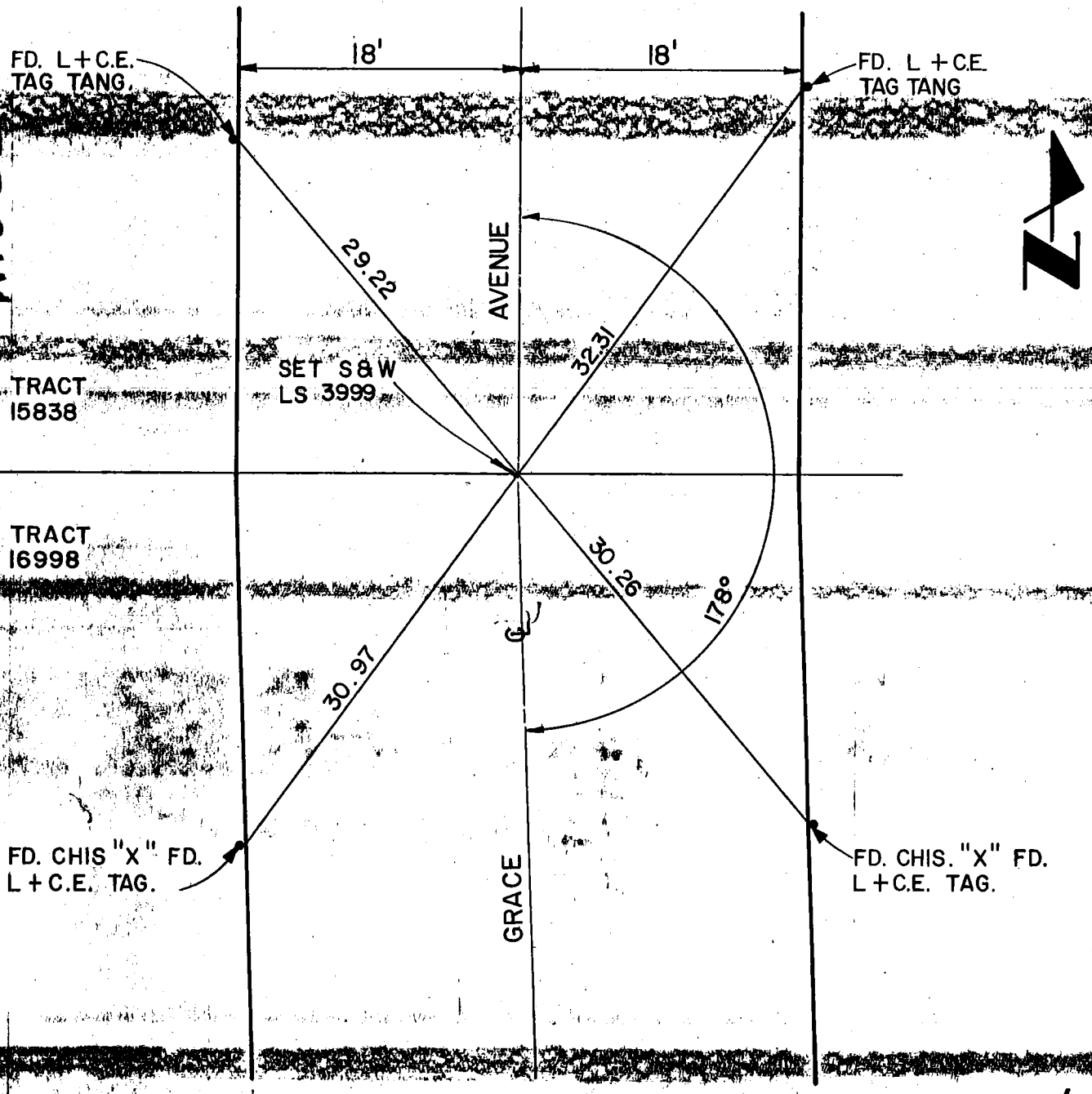
CO ENG FB 3596 - 22

℄ TIES

W.S. 28 C2



TO LT. PG. 196

Casa

20-C-2-26

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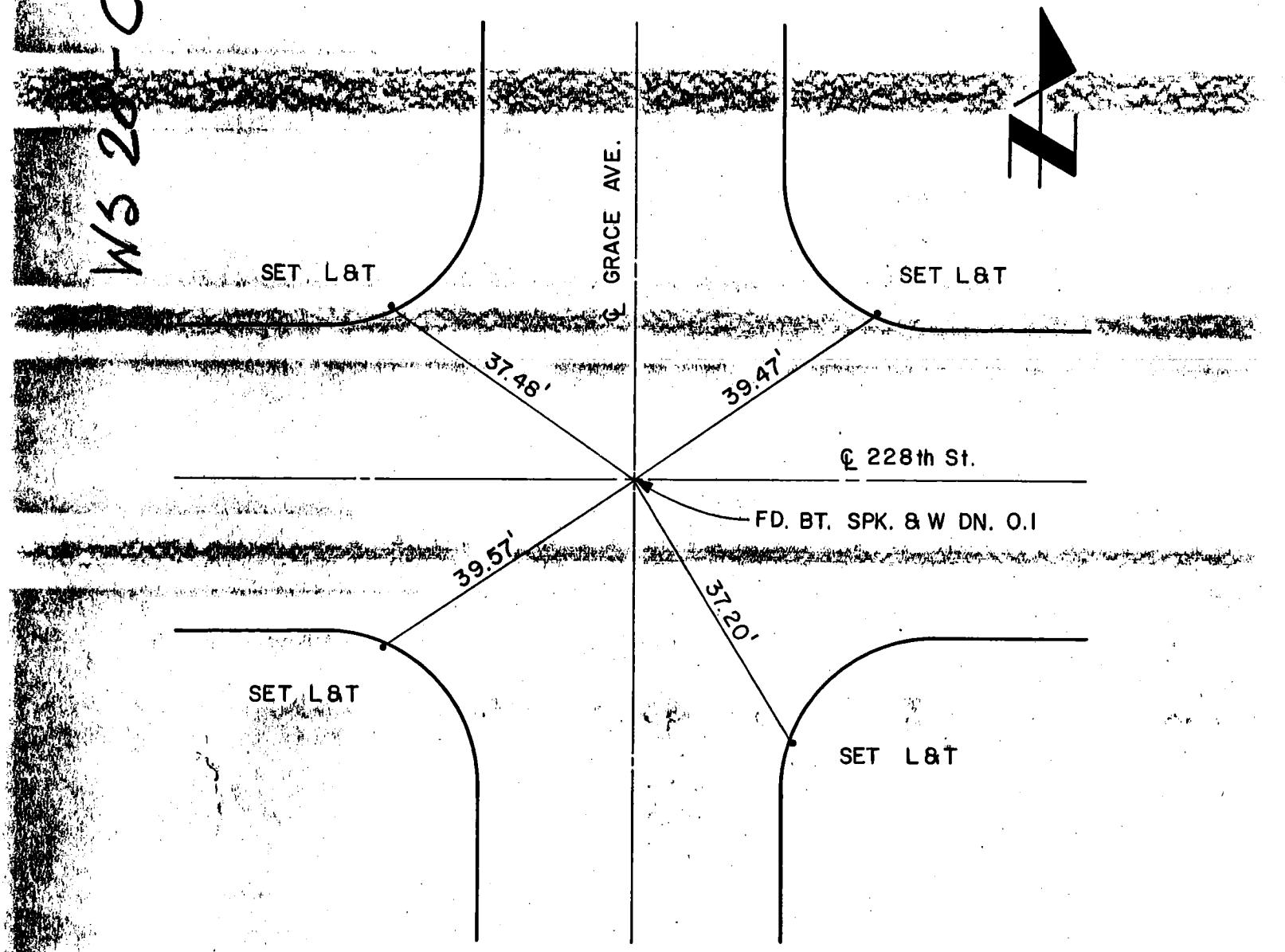
℄ TIES

W3 28-C2



98-C2-127

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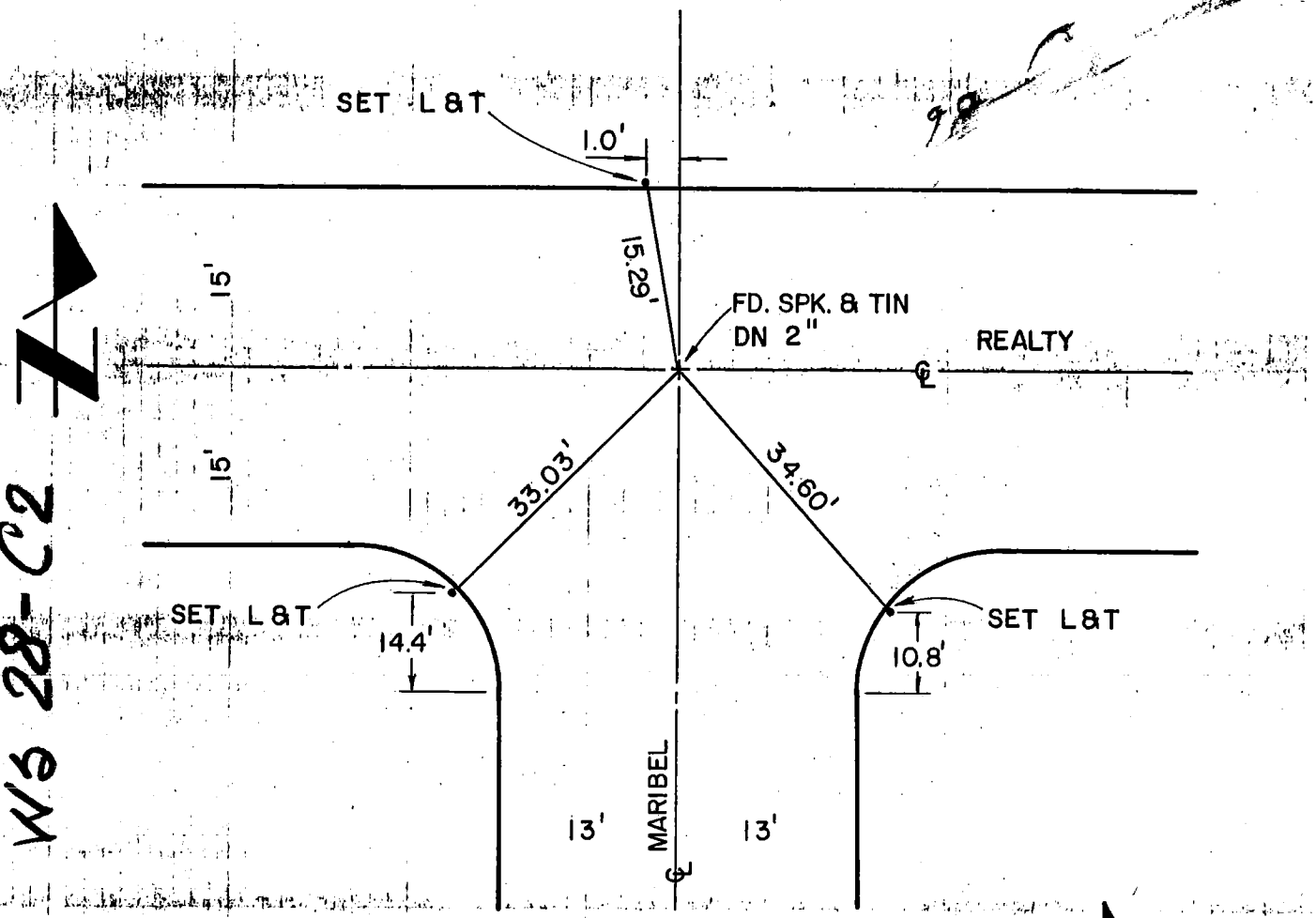
94

CO ENG FB 3596 - 24

℄ TIES



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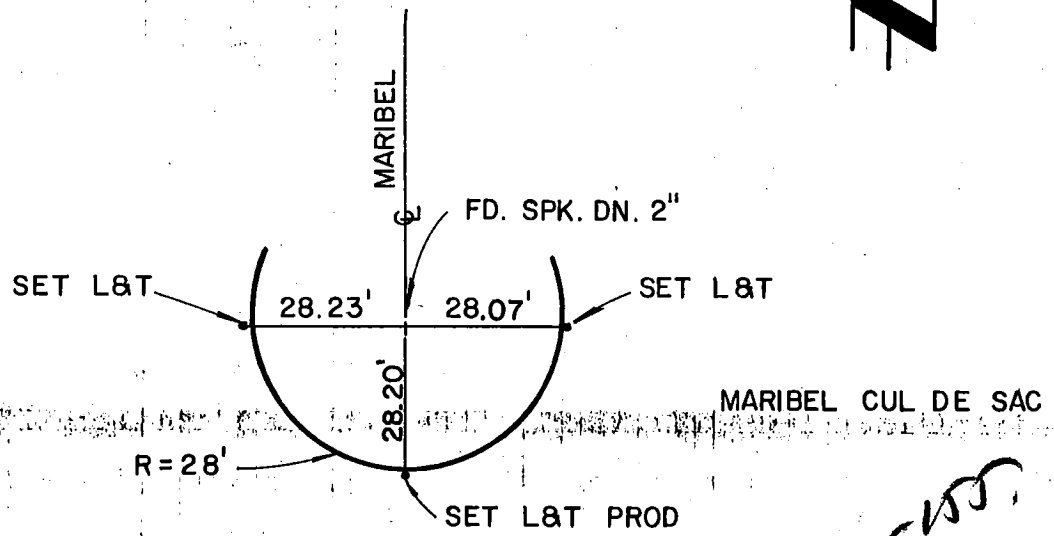

28-C2-55

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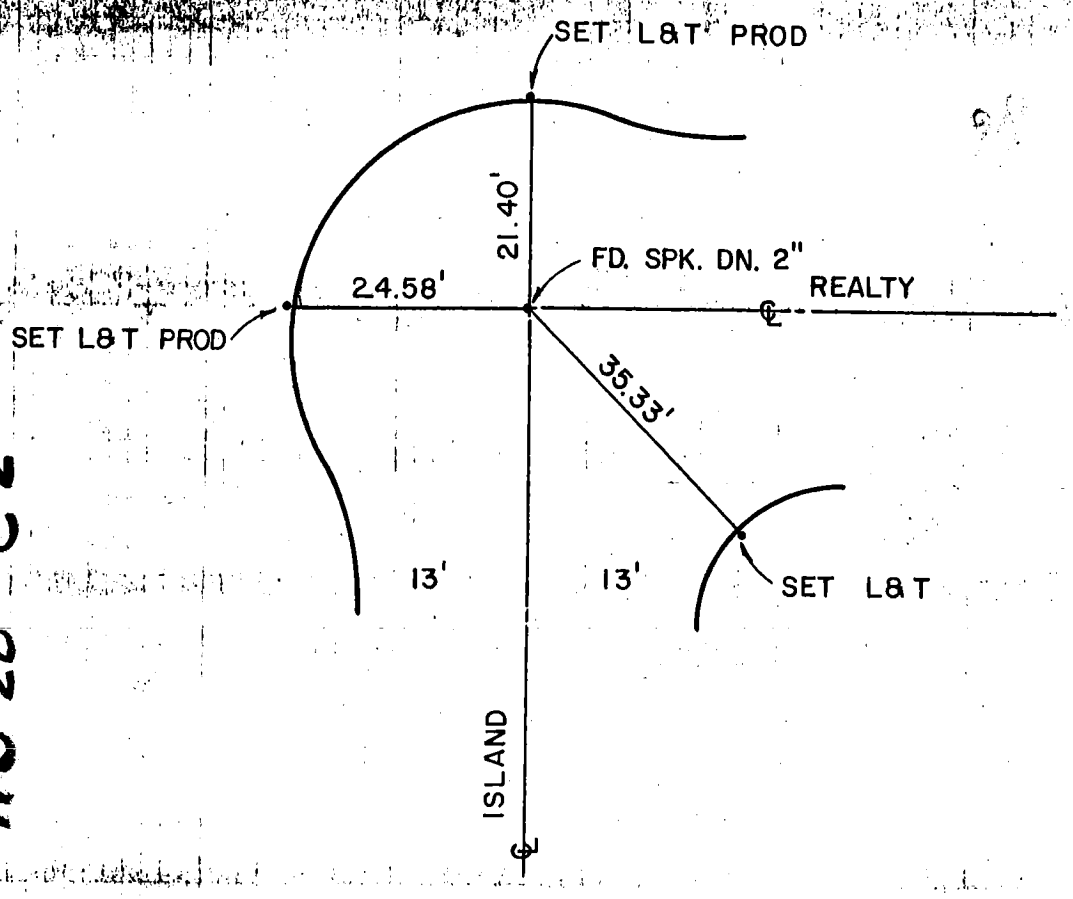
℄ TIES



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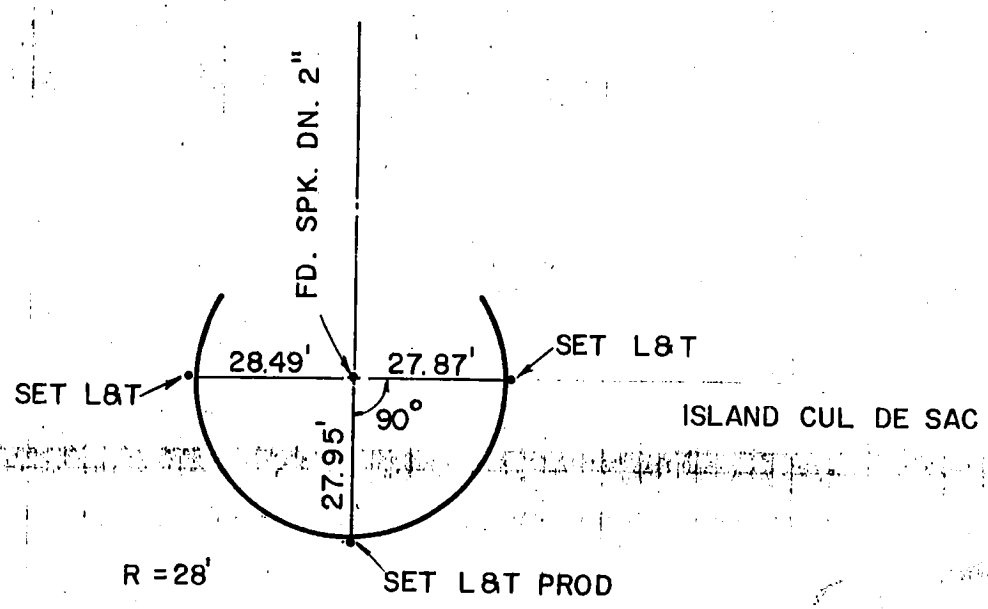

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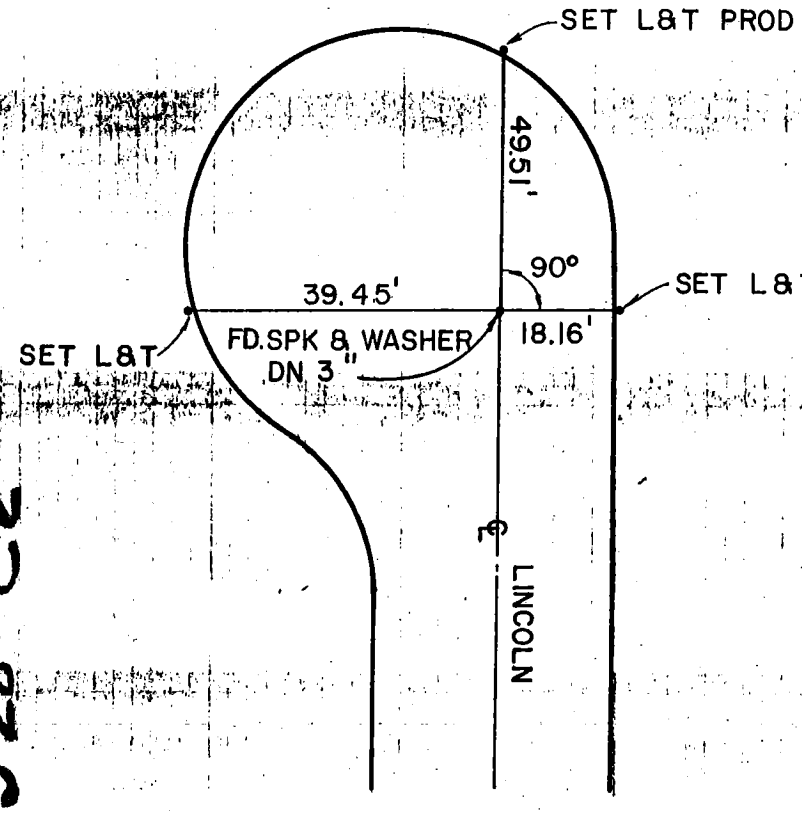
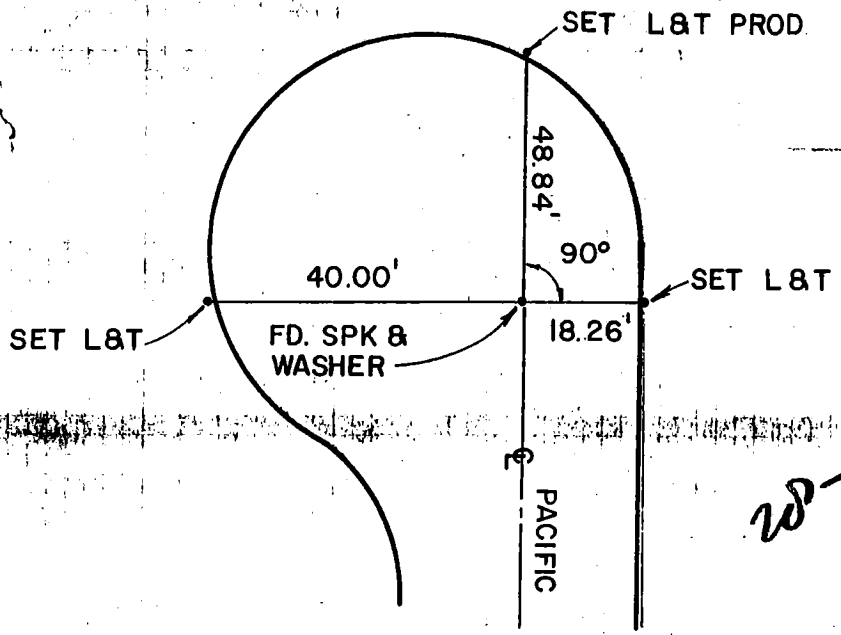
CO ENG FB 3596 - 26
℄ TIES



W3 28-C2

20-C2-7



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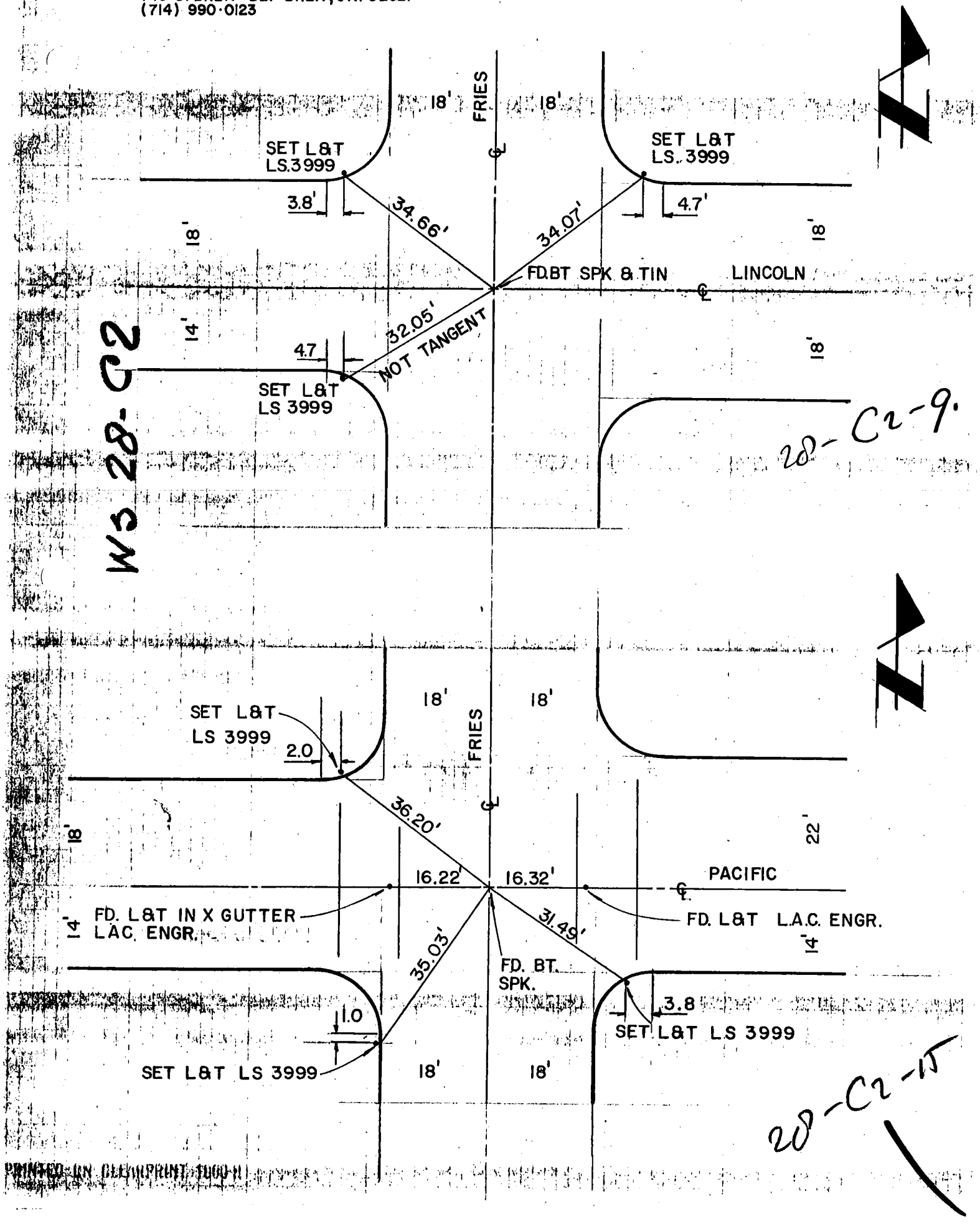
CO ENG FB 3596 - 27

℄ TIES



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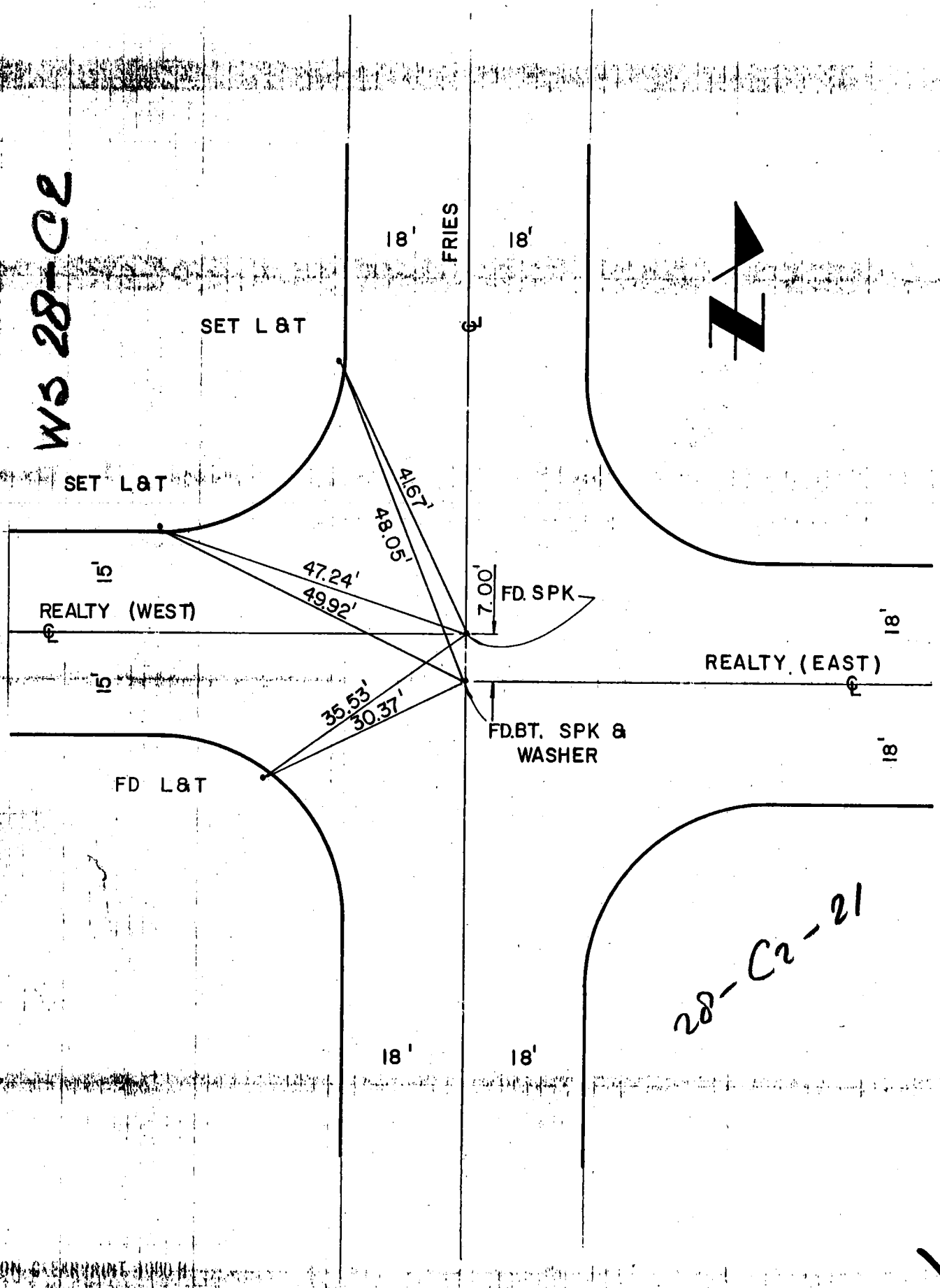
CO ENG FB 3596 - 28

℄ TIES

WS 28-C2



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CO ENG FB 3596 - 29

℄ TIES

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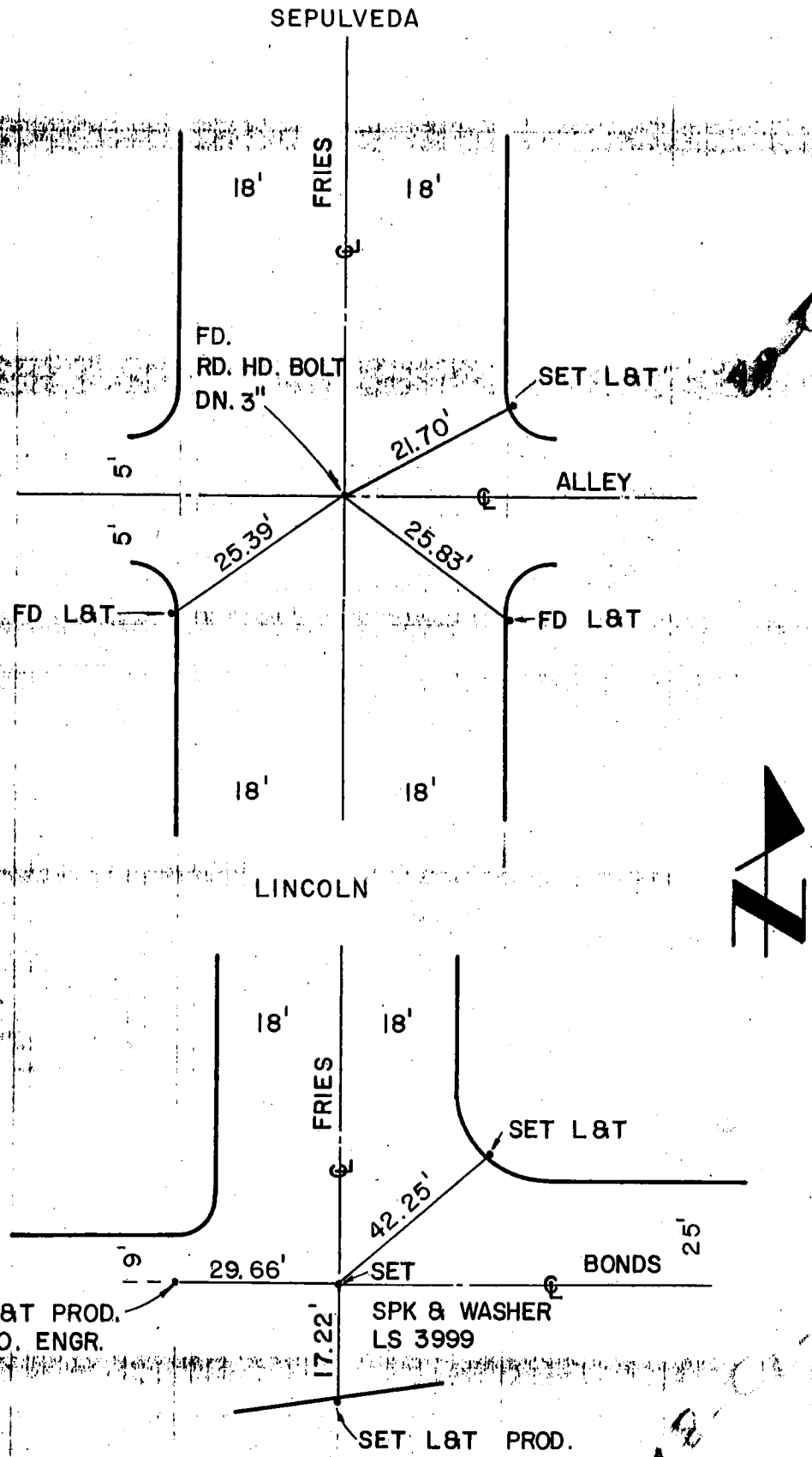
(714) 990·0123



WS 28-C2

20

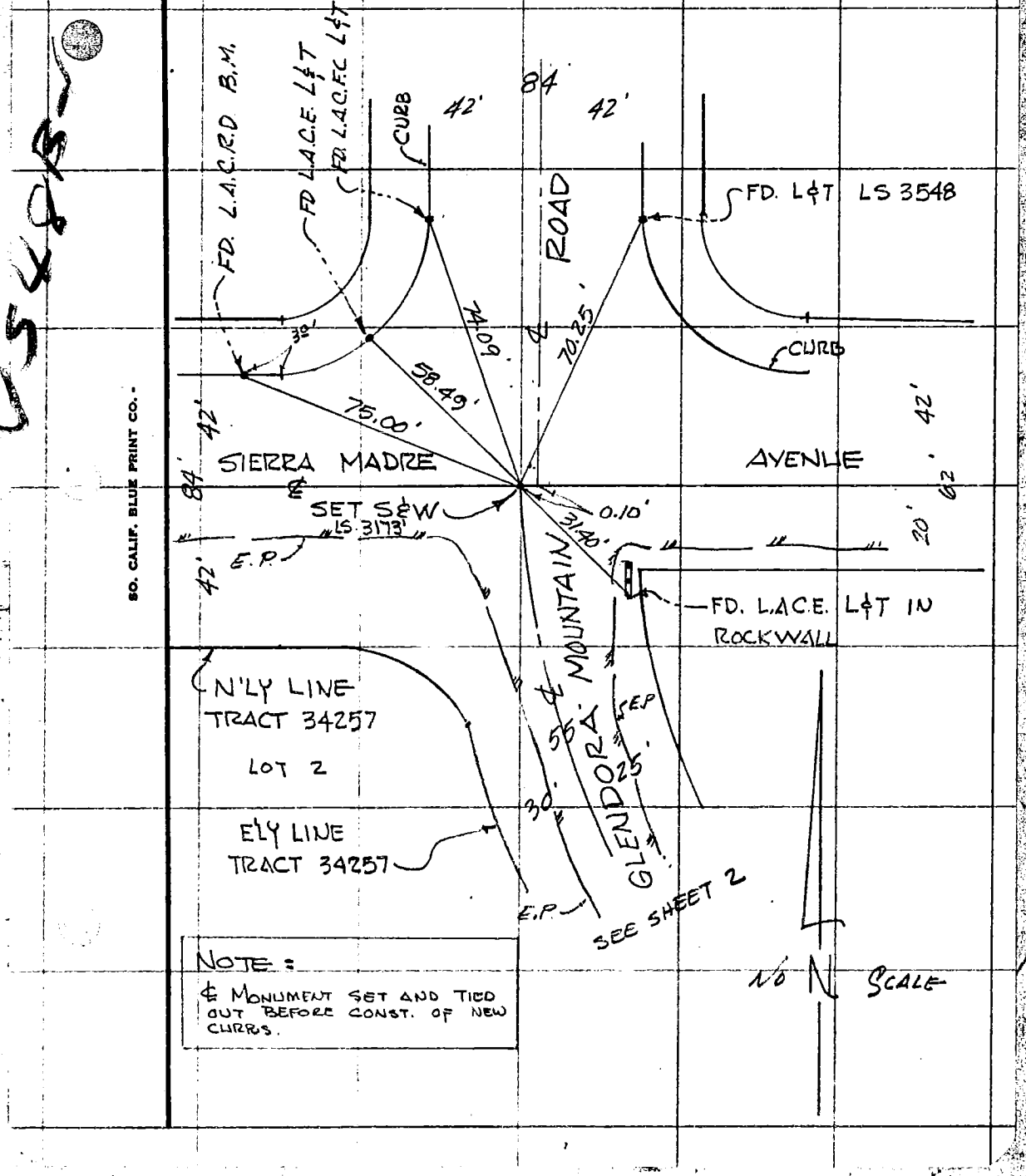
CO ENG FB 3596 - 30

SURVEY OF 4 TIES SIERRA MADRE AV./GLENDORA MTN. RD. F. B. ____ PG. ____

SURVEY BY LOREN C. PHILLIPS & ASSOC TR. No. 34257

DATE MAY 1979 SHEET 1 OF 3

LS 5483



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& MONUMENT SET AND TIED OUT BEFORE CONST. OF NEW CURBS.

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31

CO ENG FB 3596 - 31

SURVEY OF ℄ TIES - GLENDORA MTN. RD.

F. B. _____ PG. _____

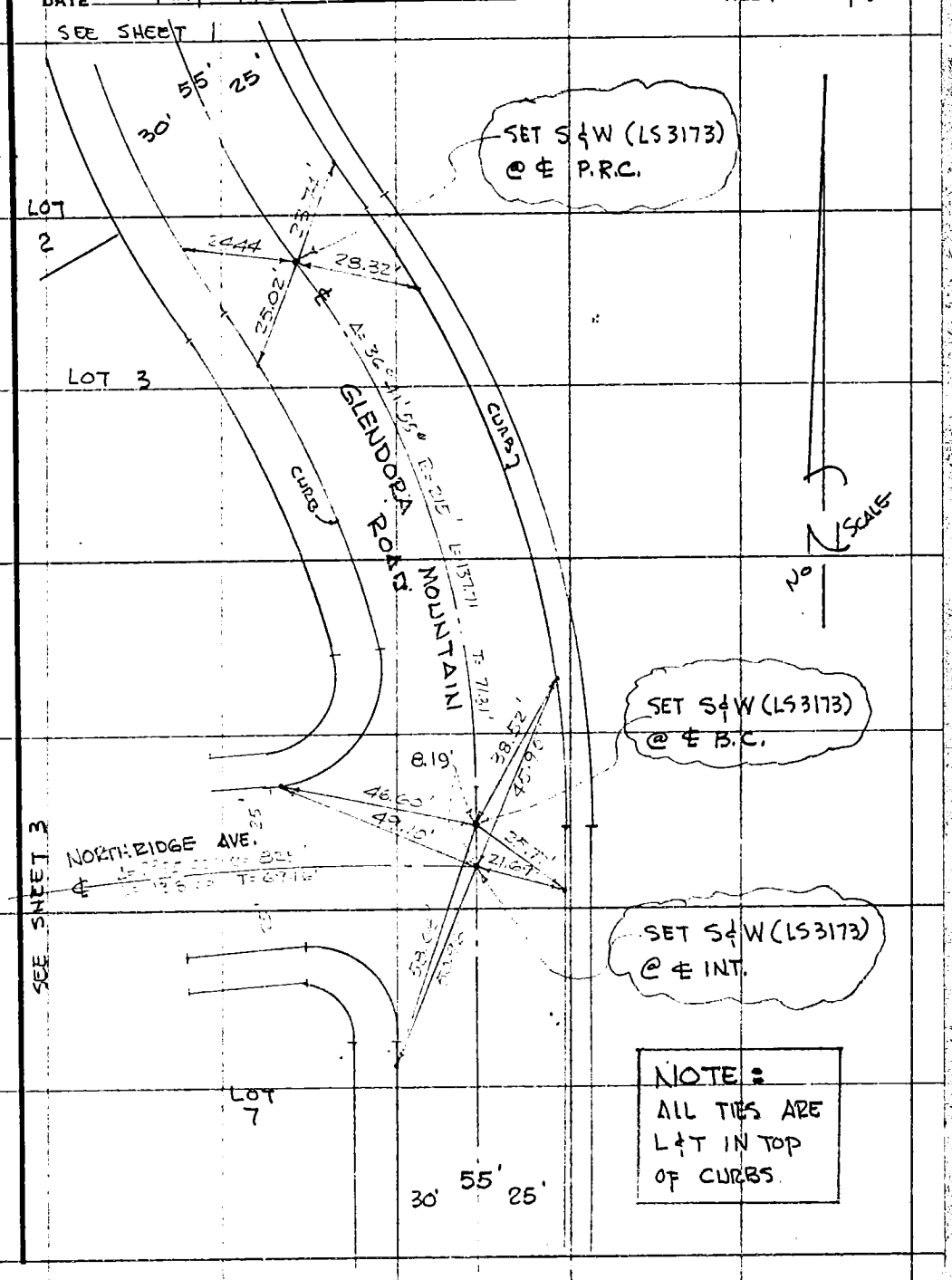
SURVEY BY LOREN PHILLIPS & ASSOC.

TR. No. 34257

DATE MAY 1980

SHEET 2 OF 3

W548B1



NOTE: ALL TIES ARE L&T IN TOP OF CURBS

SO. CALIF. BLUE PRINT CO.

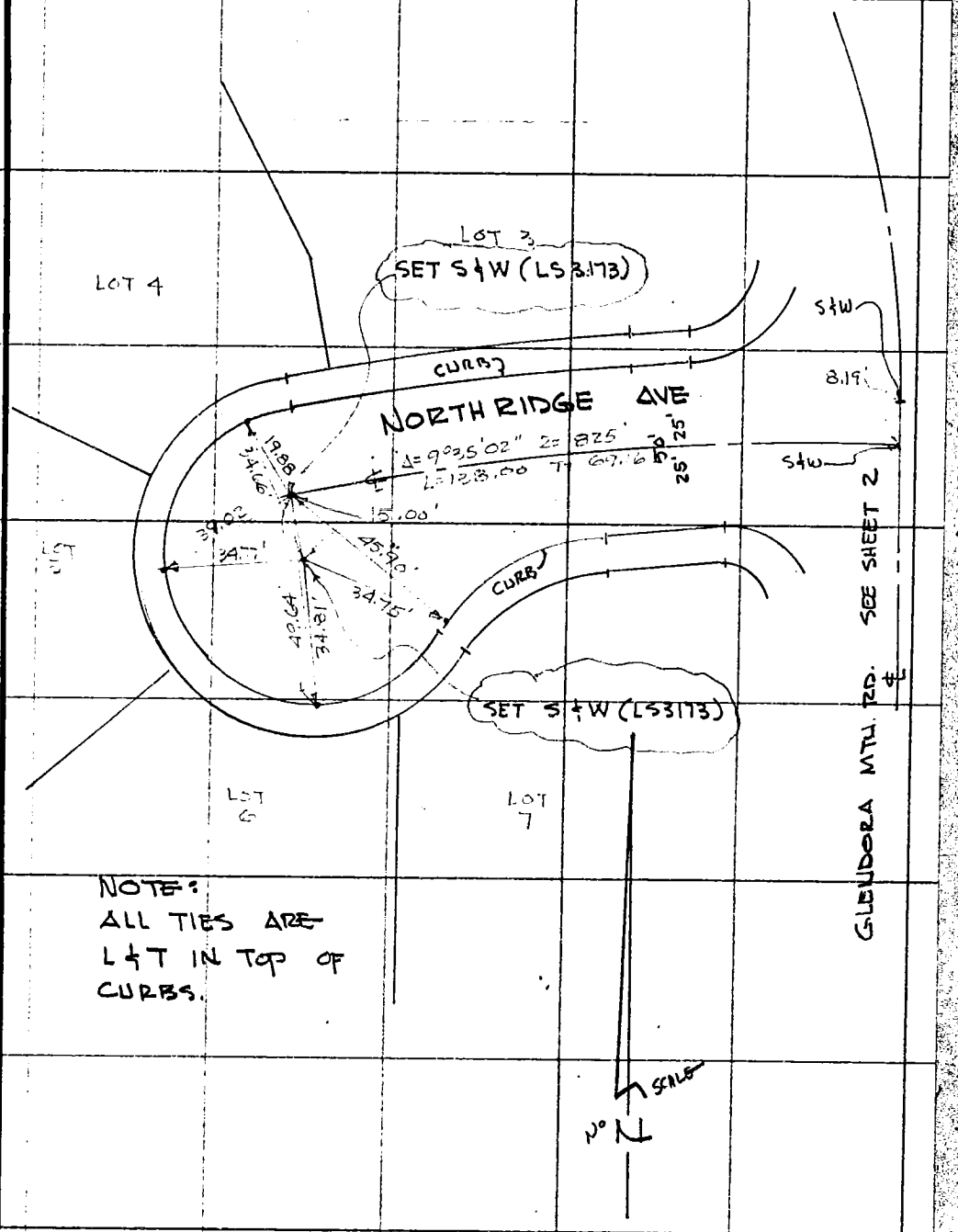
32 CO ENG FB 3596 - 32

SURVEY OF ℄ TIES - NORTHRIDGE AVE. F. B. Pg.

SURVEY BY LOREN PHILLIPS & ASSOC

DATE MAY 1980 TR. No. 34257

SHEET 3 OF 3



SO. CALIF. BLUE PRINT CO. -

NOTE:
ALL TIES ARE L & T IN TOP OF CURBS.

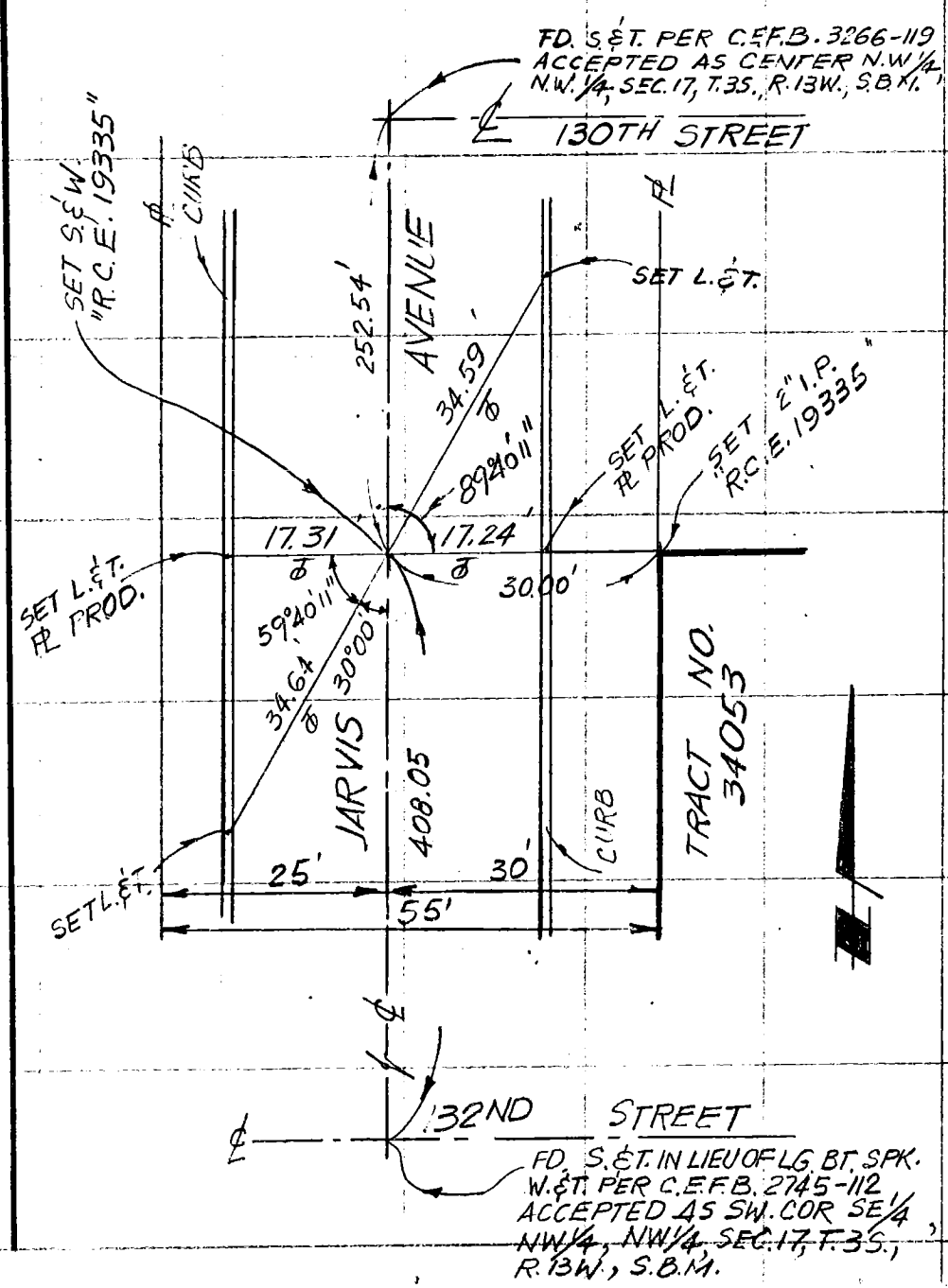
23 n CO ENG FB 3596 - 33

SURVEY OF CENTERLINE TIES F. B. _____ PG. 1

SURVEY BY PACE ENGINEERING, INC. TR. No. 34053

DATE 3-27-80

RICHARD F. PRUTZ R.C.E. 19335



SO. CALIF. BLUE PRINT CO.

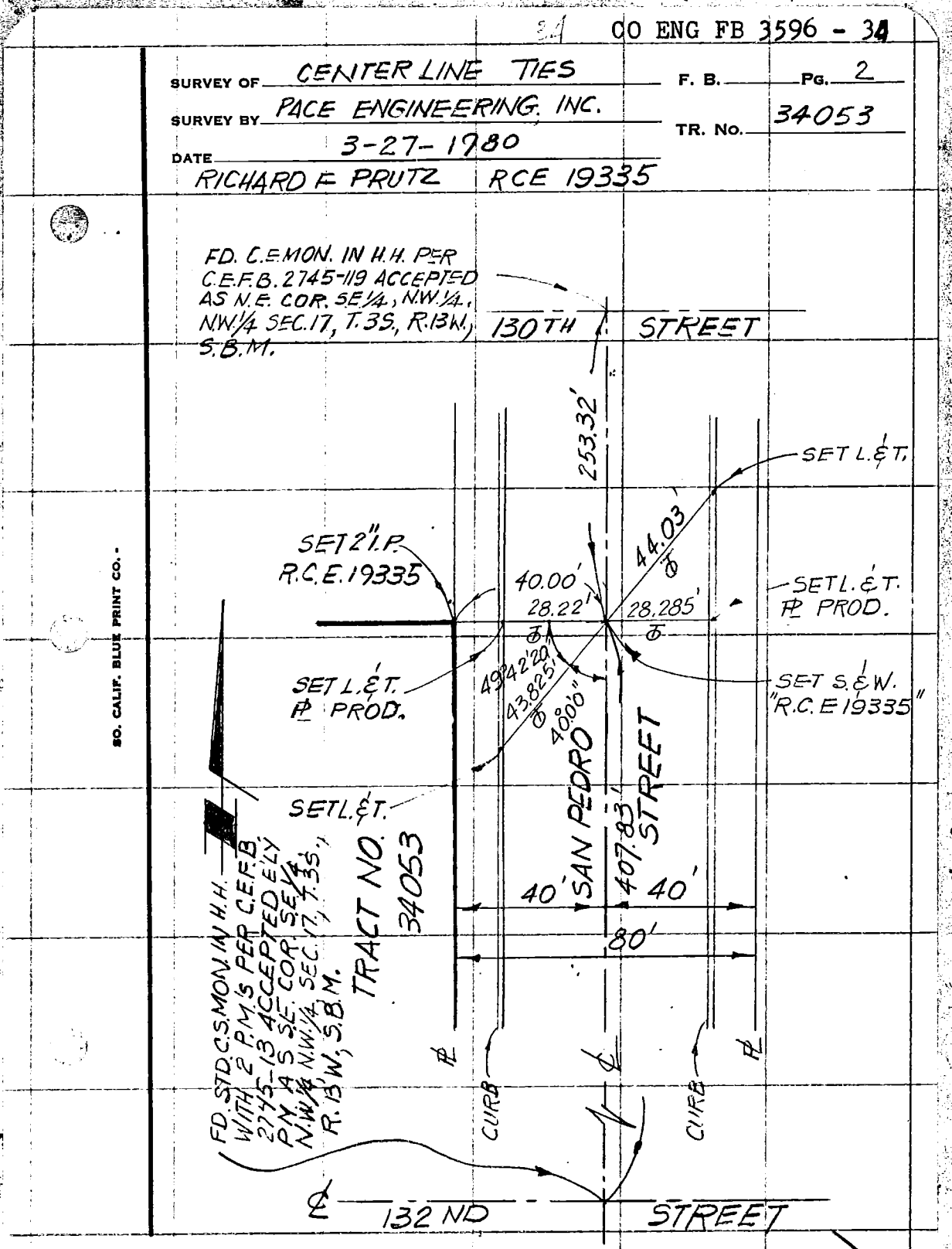
CO ENG FB 3596 - 34

SURVEY OF CENTER LINE TIES F. B. ____ PG. 2

SURVEY BY PACE ENGINEERING. INC. TR. No. 34053

DATE 3-27-1980

RICHARD F PRUTZ RCE 19335



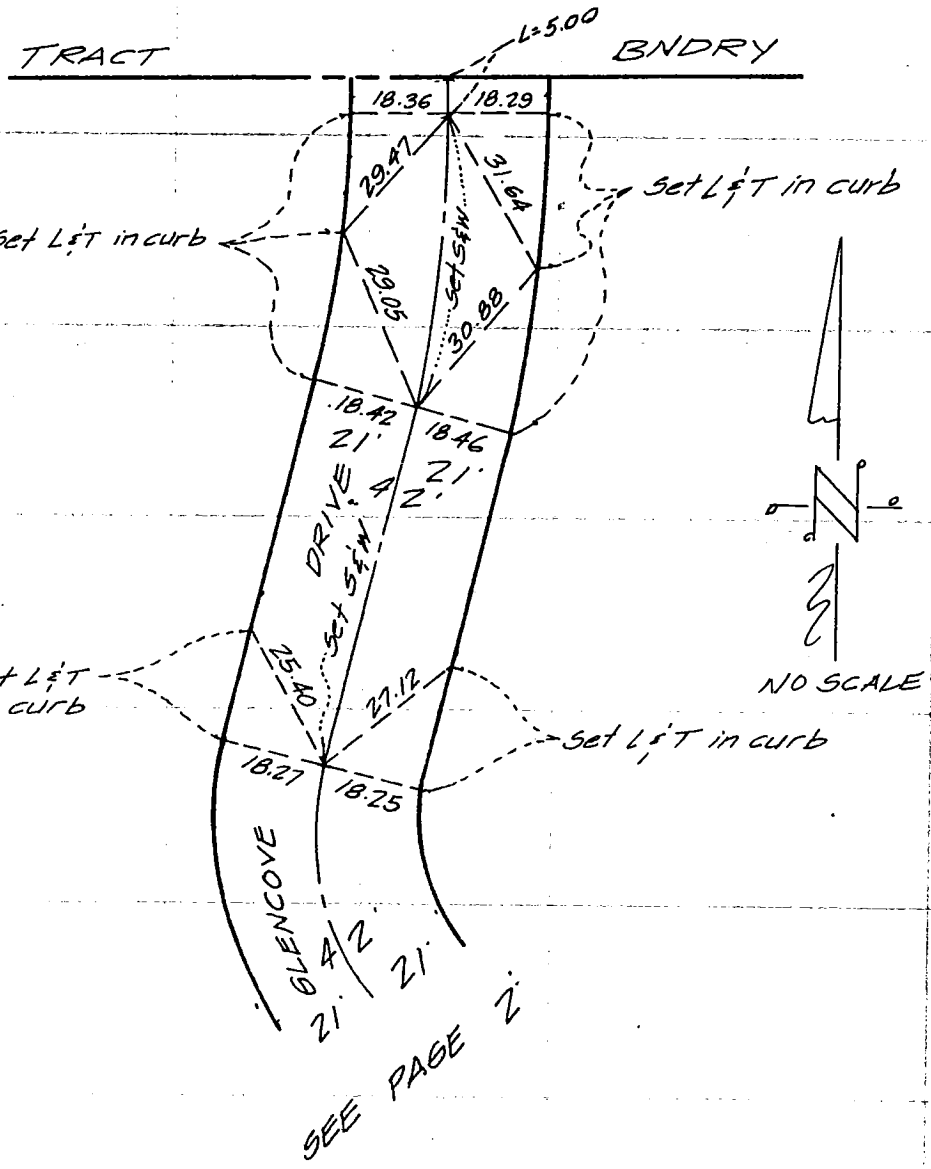
SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 35

SURVEY OF E TIES Page 1 of 14

SURVEY BY LIND & HILLERUD INC.
WES LIND RCE 16362 TR. No. 31111

DATE DECEMBER 1979



SO. CALIF. BLUE PRINT CO.

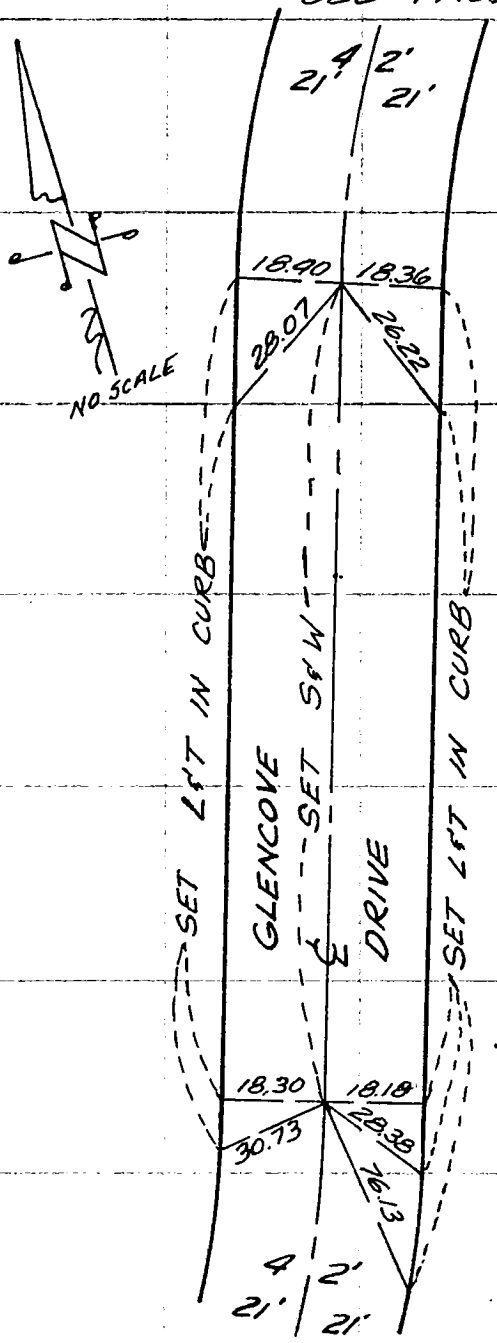
CO ENG FB 3596 - 36 WES LIND R.C.E. 16362

SURVEY OF ETIES Page 2 of 14

SURVEY BY LIND & HILLERUD INC. TR. No. 31111

DATE DECEMBER 1979

SEE PAGE 3



SEE PAGE 1

SO. CALIF. BLUE PRINT CO.

099-297, A-2

CO ENG FB 2596 - 37

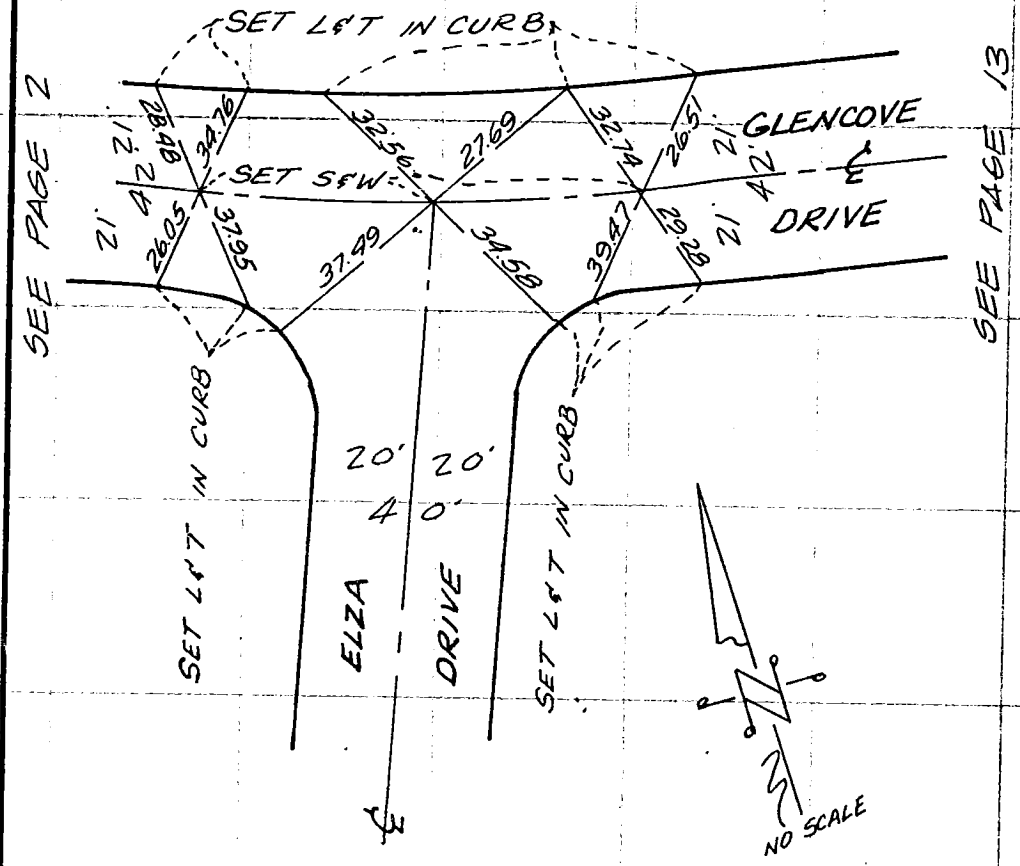
SURVEY OF ℄ TIES

Page 3 of 14

SURVEY BY LIND & HILLERUD INC.
WES LIND R.C.E 16362

TR. No. 31111

DATE DECEMBER 1979



SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 38 WES LIND R.C.E. 16362

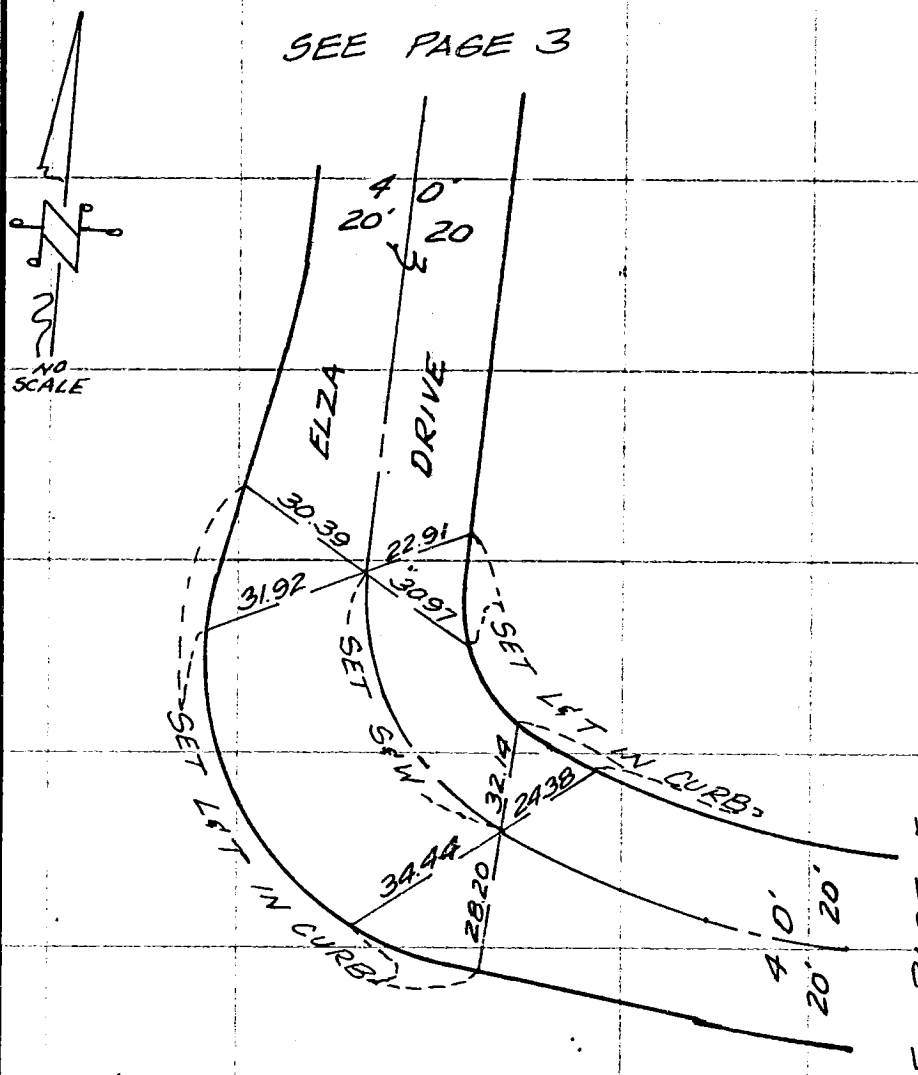
SURVEY OF CITIES Page 4 of 14

SURVEY BY LIND & HILLERUD INC.
WES LIND RCE 16362 TR. No. 31111

DATE DECEMBER 1979

099-2974.2

SEE PAGE 3



SEE PAGE 5

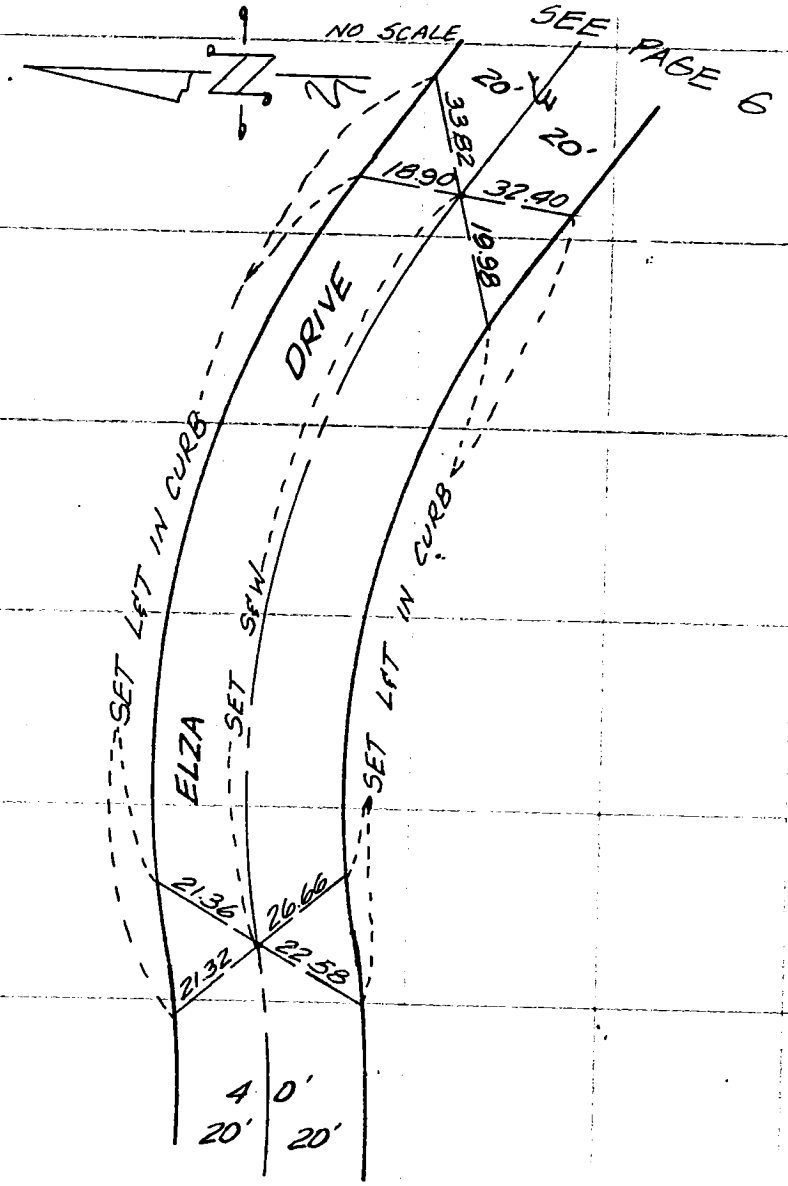
SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 39

SURVEY OF ℄ TIES — Page 5 of 14

SURVEY BY LIND & HILLERUD INC. WES LIND RCE 16362 — TR. No. 31111

DATE DECEMBER 1979



SEE PAGE 4

SO. CALIF. BLUE PRINT CO.

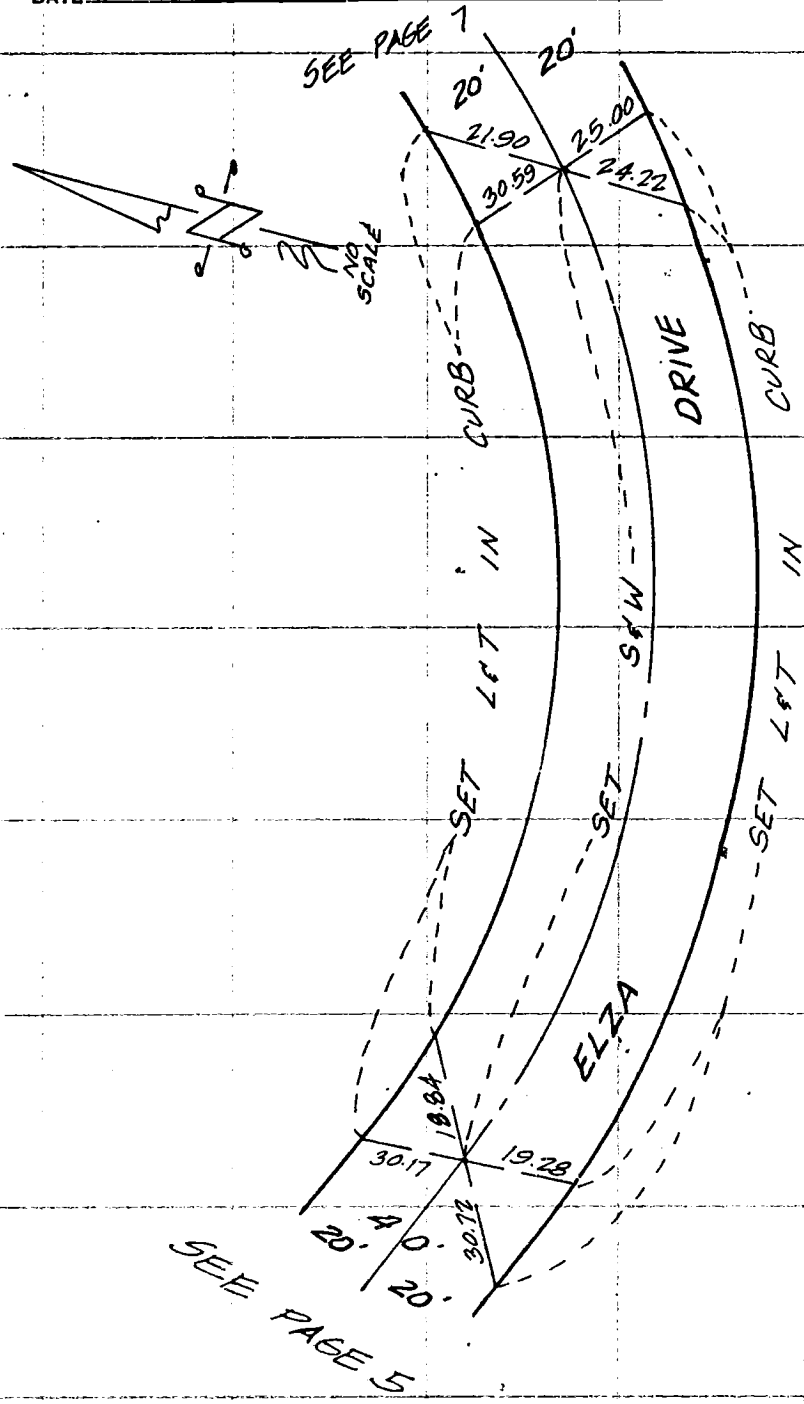
10

CO ENG FB 3596 - 40

SURVEY OF ETIES Page 6 of 14

SURVEY BY LIND & HILLERUD INC.
WES LIND R.C.E. 16362 TR. No. 31111

DATE DECEMBER 1979



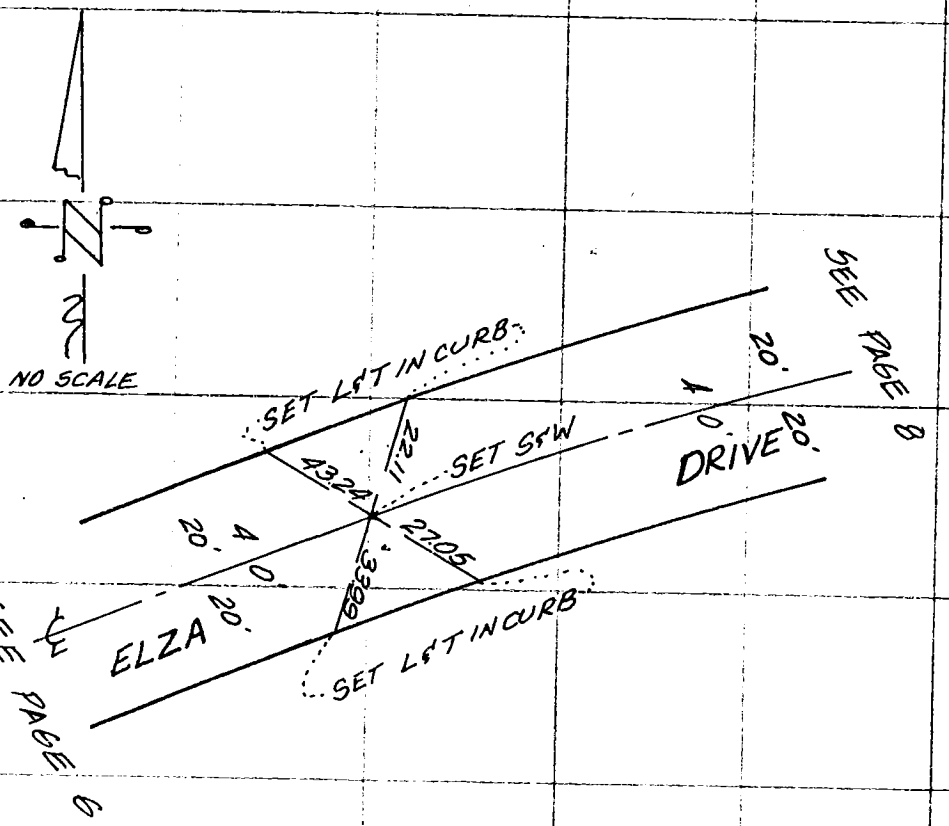
SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 41

SURVEY OF ℄ TIES Page 7 of 14

SURVEY BY LIND & HILLERUD INC.
WES LIND R.C.E. 16362 TR. No. 31111

DATE DECEMBER 1979



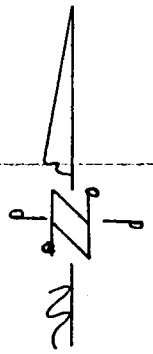
SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 42

SURVEY OF ℄ TIES — Page 8 of 14

SURVEY BY LINO & HILLERUD INC. WES LINO R.C.E 16362 — TR. No. 31111

DATE DECEMBER INC.



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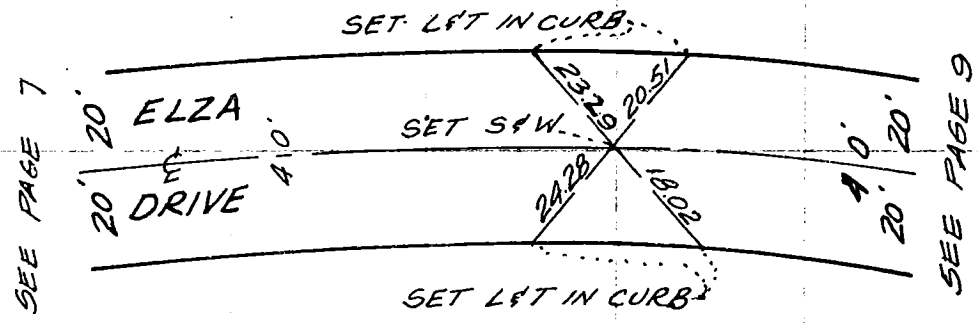


SO. CALIF. BLUE PRINT CO.

099-297, A-2

CO ENG FB 3596 - 43

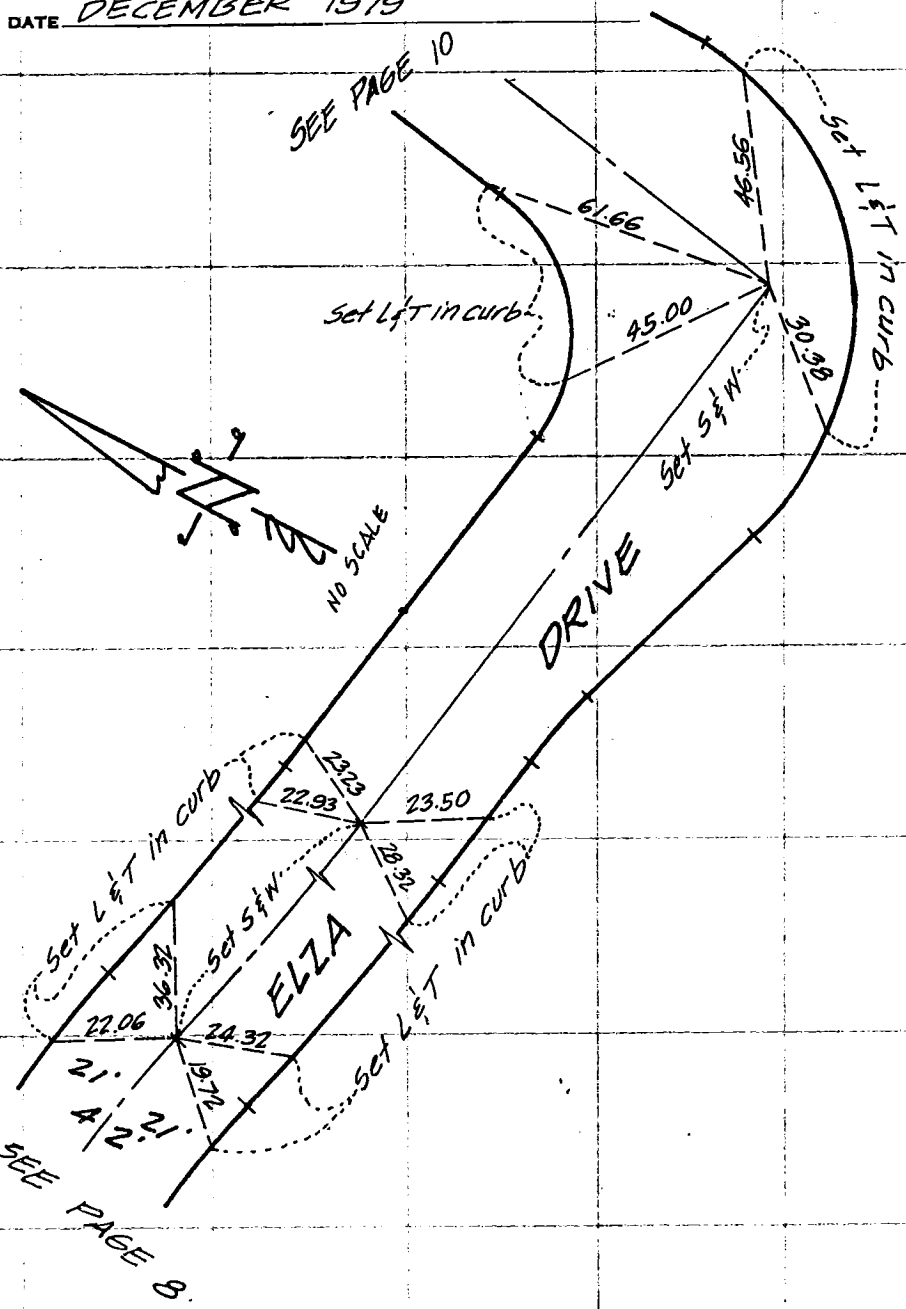
SURVEY OF ℄ TIES

Page 9 of 14

SURVEY BY LIND & HILLERUD INC.
WES LIND. RCE 16362

TR. No. 31111

DATE DECEMBER 1979



SO. CALIF. BLUE PRINT CO.

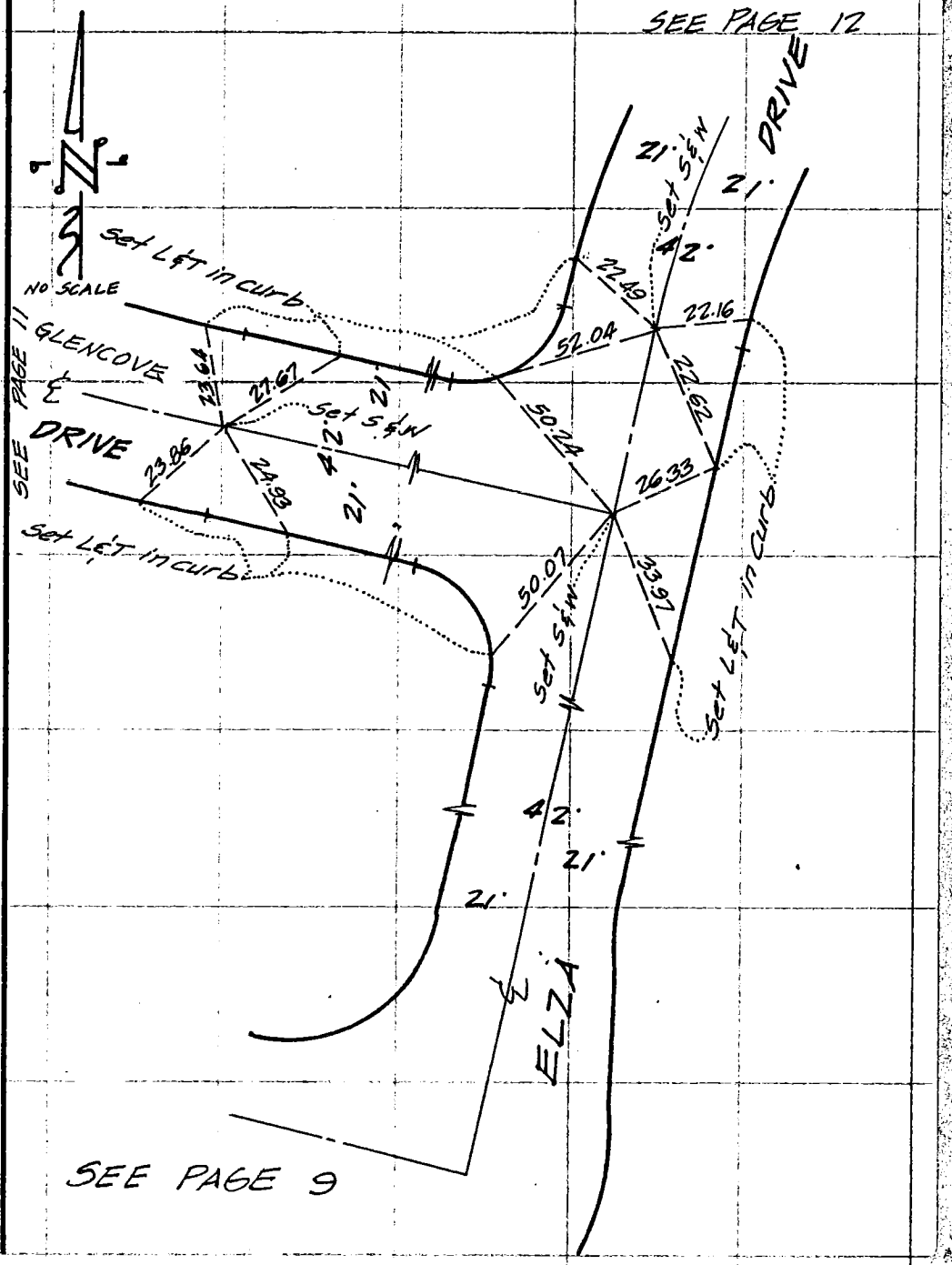
CO ENG FB 3596 - 44

SURVEY OF ℄ TIES — Page 10 of 14

SURVEY BY LIND & HILLERUD INC. WES LIND RCE 16362 — TR. No. 31111

DATE DECEMBER 1979

SEE PAGE 12



SEE PAGE 9

SO. CALIF. BLUE PRINT CO.

099-297-A2

CO ENG FB 3596 - 45

SURVEY OF ℄ TIES

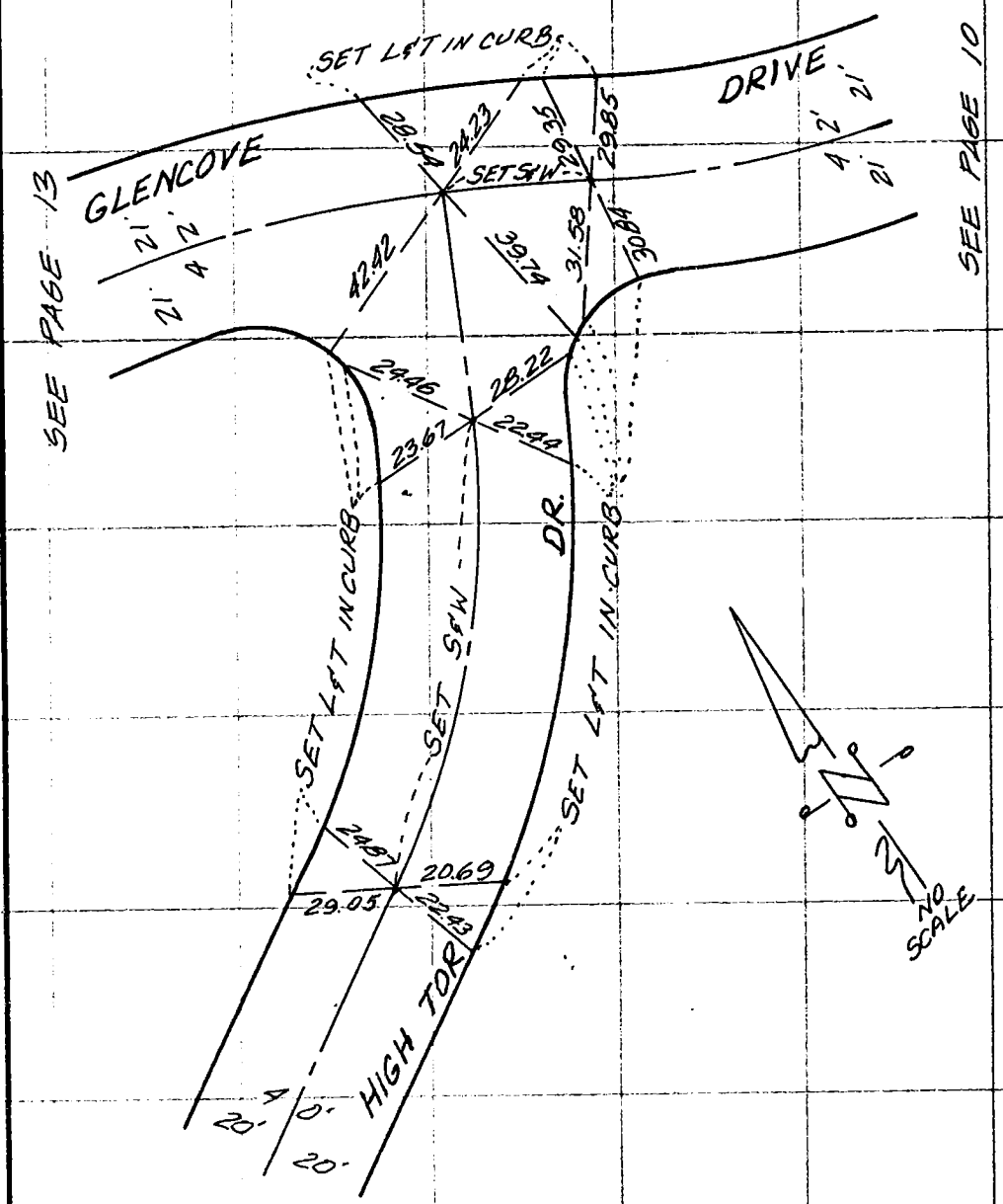
Page 11 of 14

SURVEY BY LIND & HILLERUD INC.
WES LIND R.C.E. 16362

TR. No. 31111

DATE DECEMBER 1979

099 247 A-2



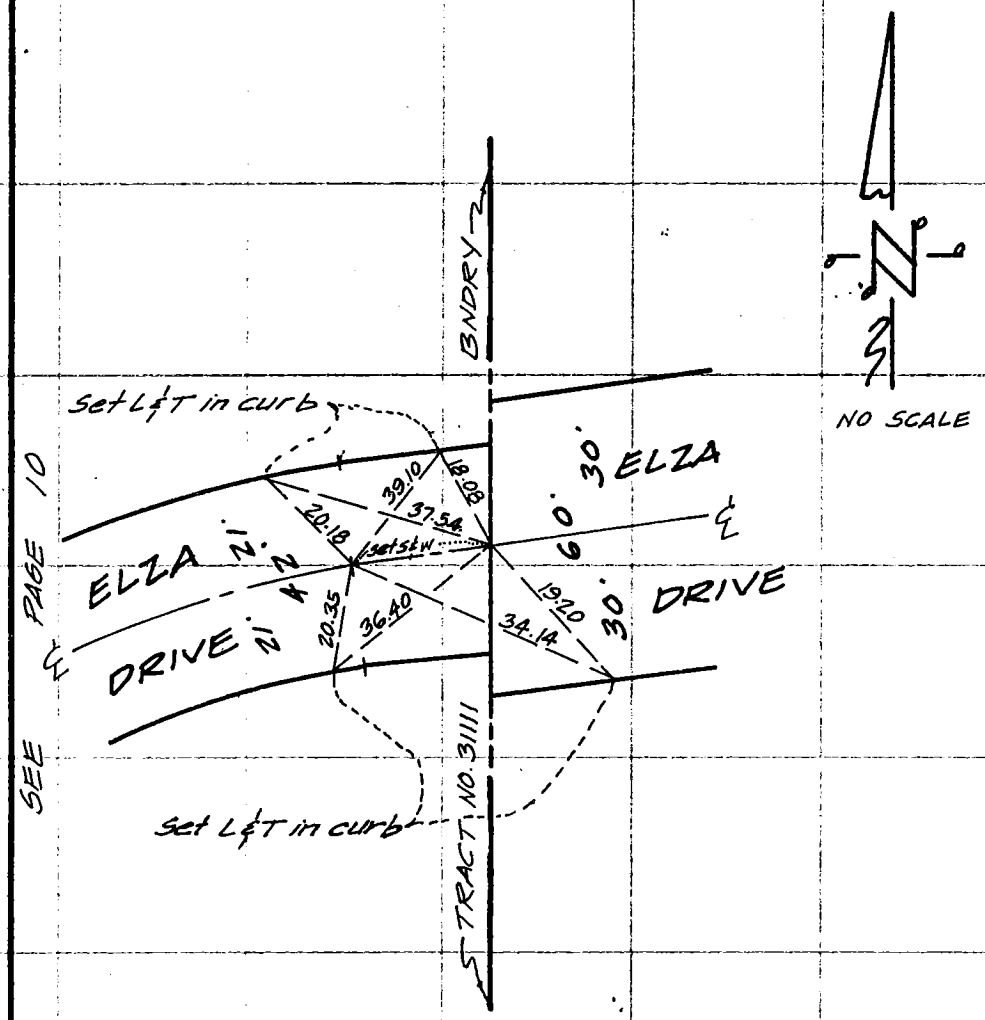
SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 46

SURVEY OF ℄ TIES — Page 12 of 14

SURVEY BY LIND & HILLERUD INC. WES LIND RCE 16362 — TR. No. 31111

DATE DECEMBER 1979



CO ENG FB 3596 - 47

SURVEY OF ℄ TIES

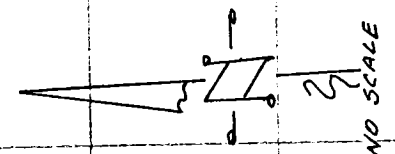
Page 13 of 14

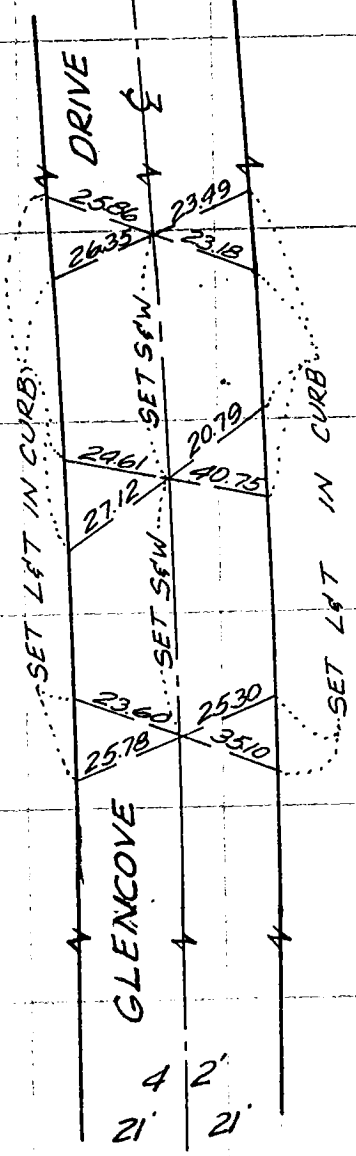
SURVEY BY LIND & HILLERUD INC.
WES LIND R.C.E. 16362

TR. No. 31111

DATE DECEMBER 1979

SEE PAGE 11





SEE PAGE 3

SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 48

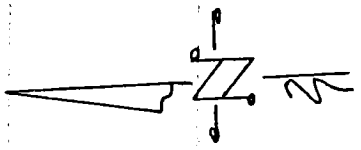
SURVEY OF ℄ TIES

Page 14 of 14

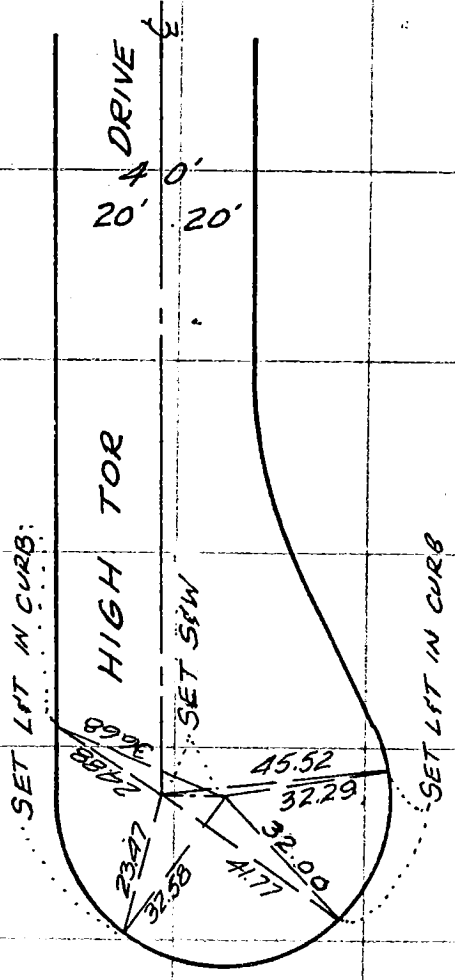
SURVEY BY LIND & HILLERUD INC.
WES LIND R.C.E. 16362

TR. No. 31111

DATE DECEMBER 1979



SEE PAGE 11



099 297 A-2

SO. CALIF. BLUE PRINT CO.

49

CREW CO ENG FB 3596 - 49

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

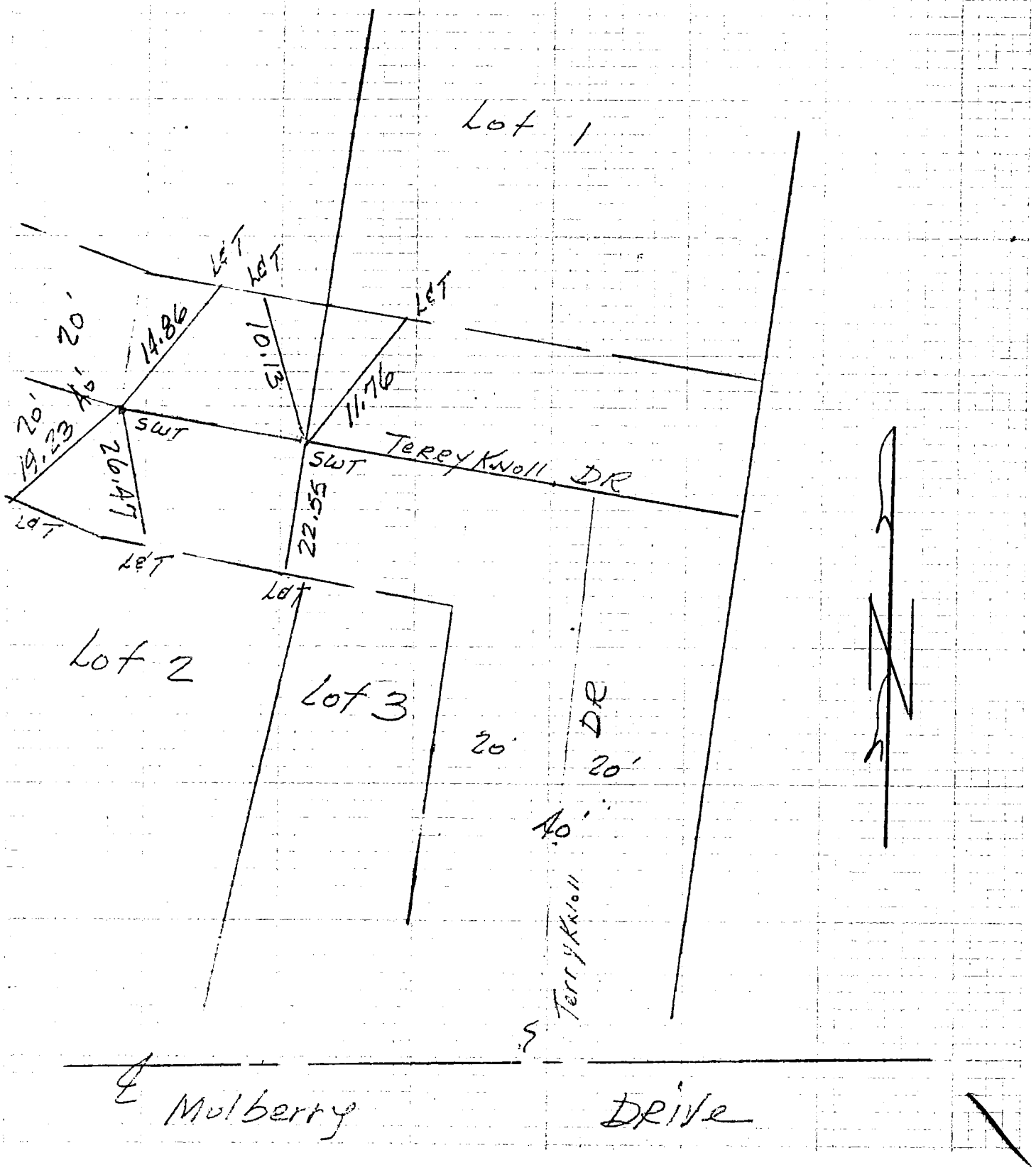
JOB NO

DATE

PAGE OF

W.S. 34C-2

PARCEL MAP NO. 11286
ROBERT R. FLORES-RCE 11349
MAY 1980

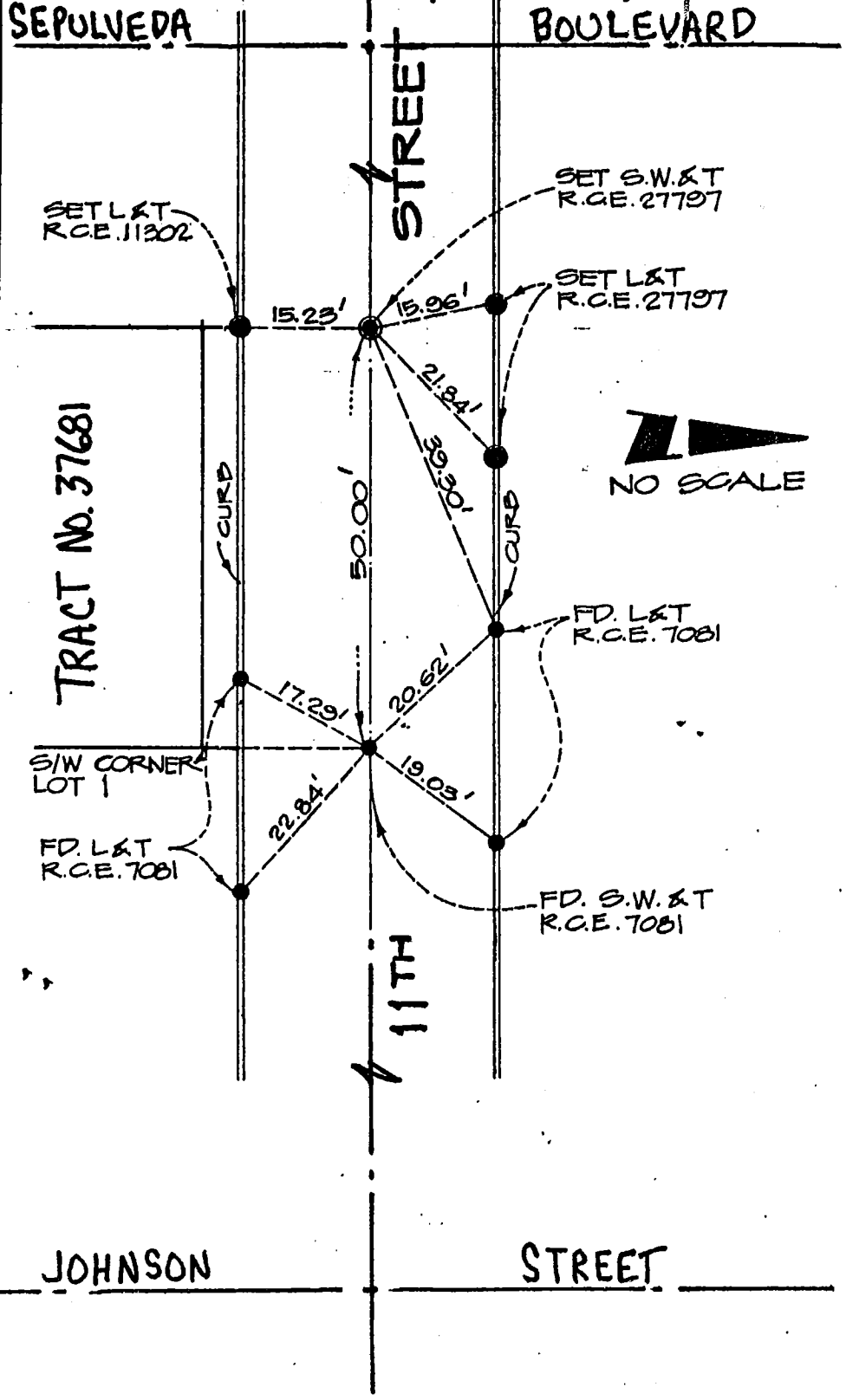


SURVEY OF FINAL TRACT MONUMENTS FB NO. PAGE

SURVEY BY J.H. EDWARDS Co., INC. TRACT NO. 37681

DATE 3-18-80

ENGINEER: DARRYL E. DALCIN, R.C.E. 27797



W.S. 23-B-3

SURVEYORS SERVICE COMPANY, COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

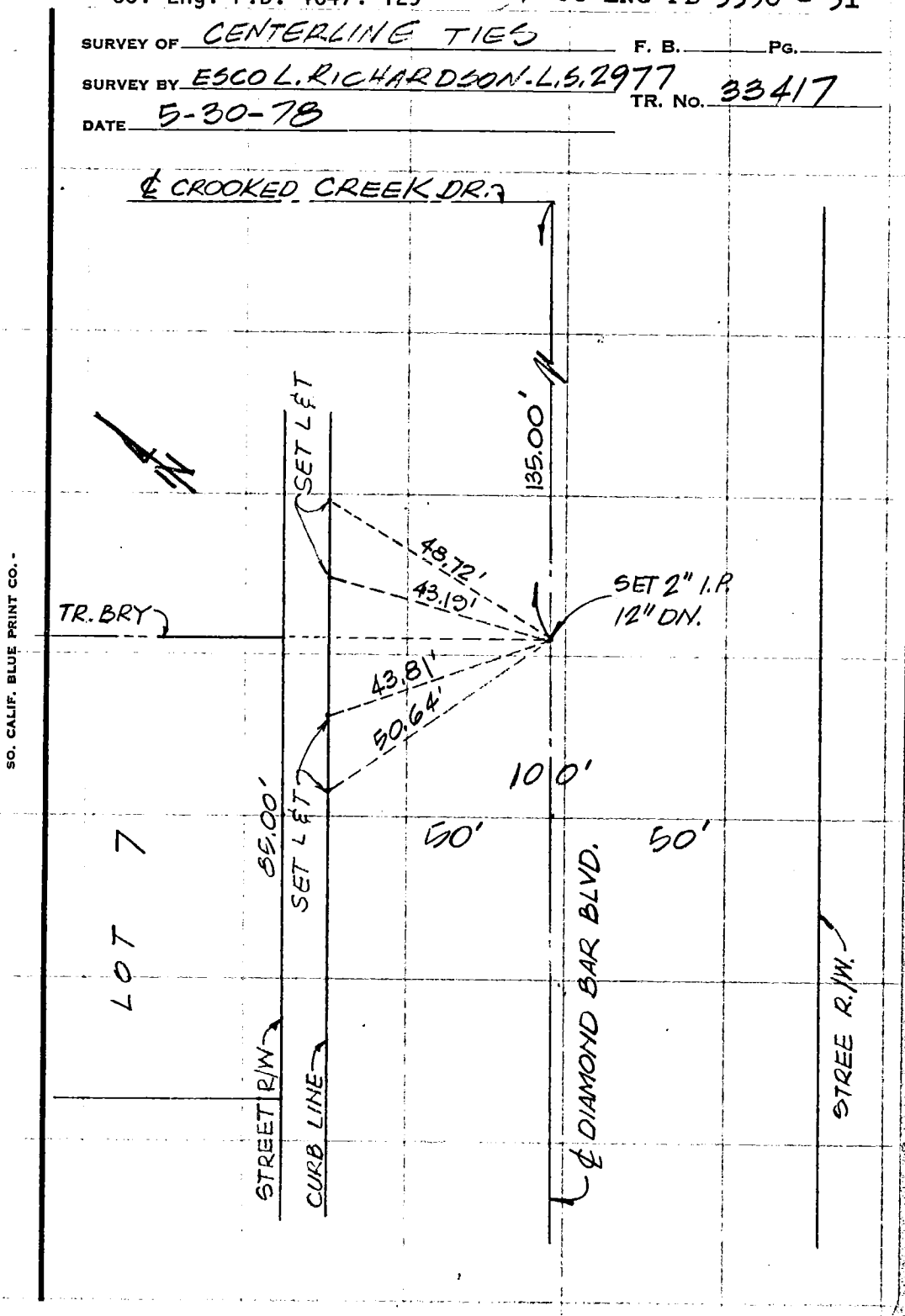
Co. Eng. F.B. 4047: 129 51 CO ENG FB 3596 - 51

SURVEY OF CENTERLINE TIES F. B. ____ PG. ____

SURVEY BY ESCO L. RICHARDSON L.S. 2977 TR. No. 33417

DATE 5-30-78

099-317 C3

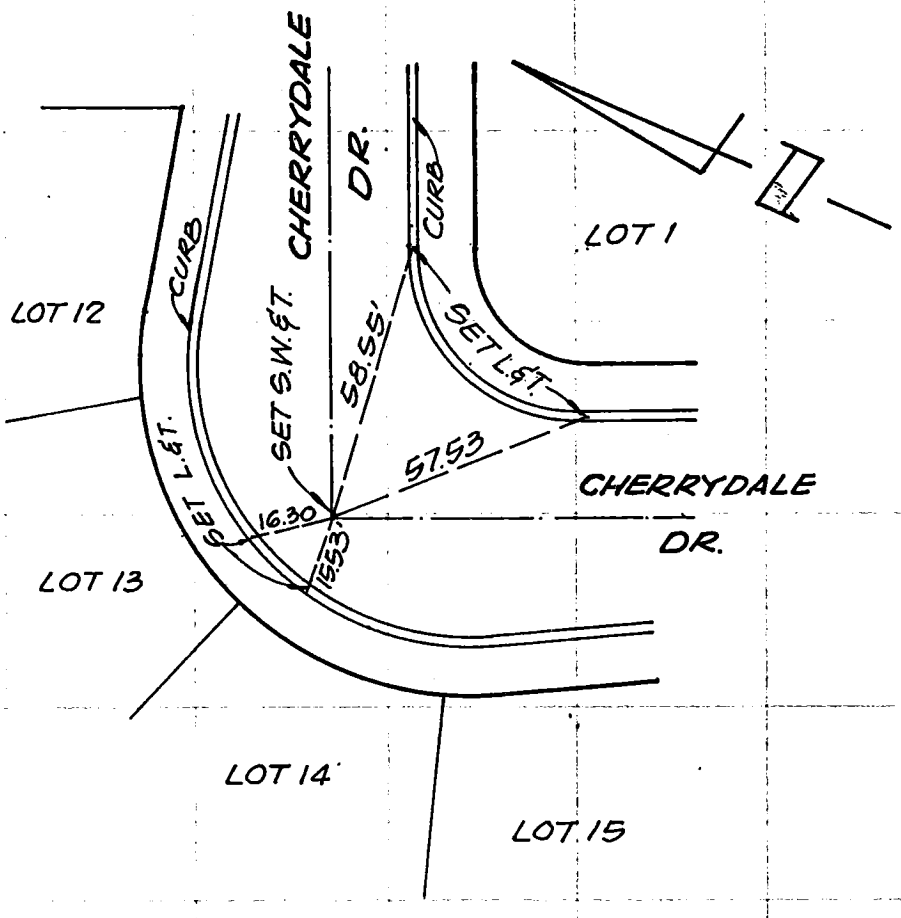


CO ENG FB 3596 - 52

SURVEY OF CENTERLINE TIES F. B. ____ PG. ____

SURVEY BY ESCO L. RICHARDSON-L.S. 2977 TR. No. 33417

DATE 10/20/79



SO. CALIF. BLUE PRINT CO. -

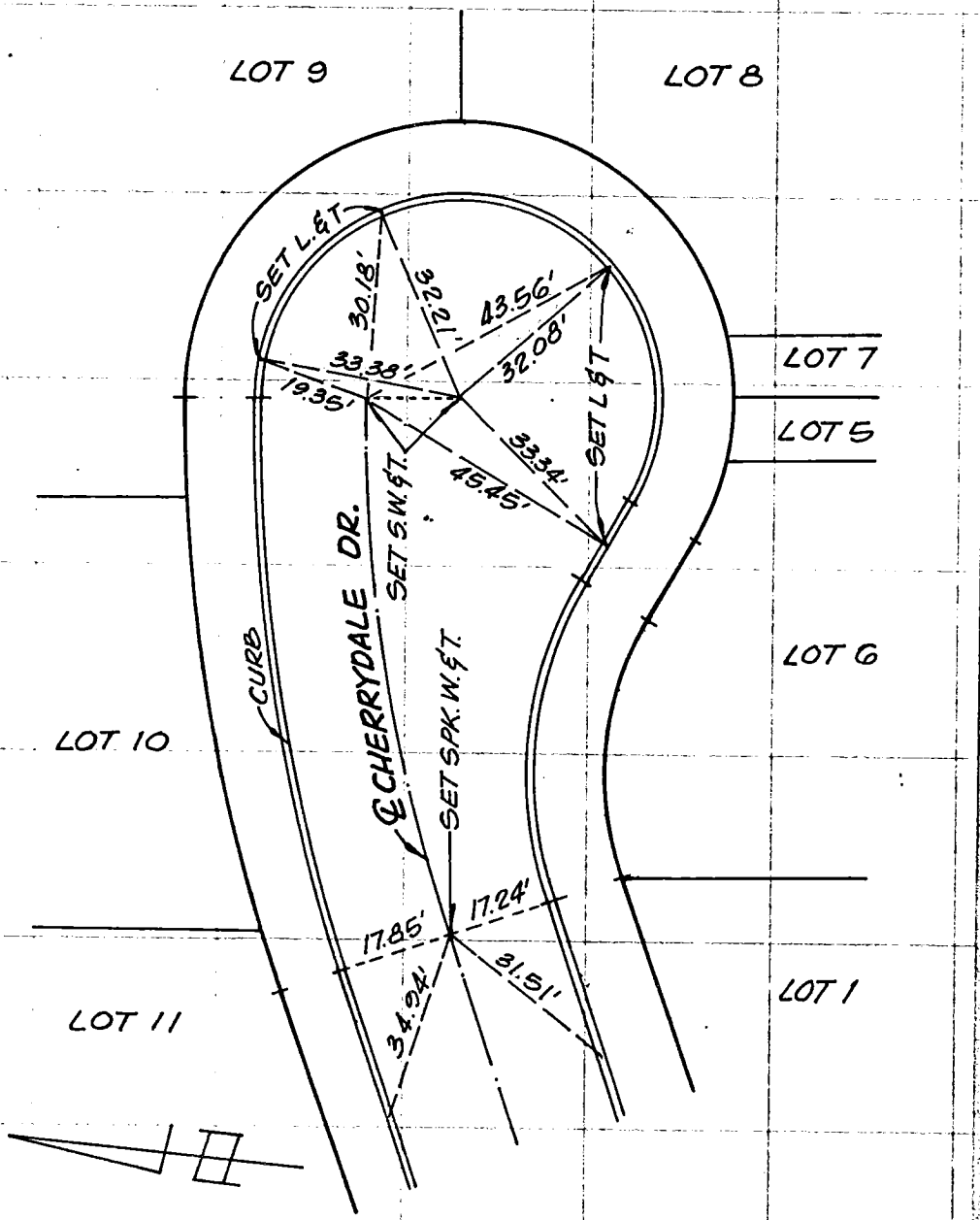
CO ENG FB 3596 - 53

SURVEY OF CENTERLINE TIES F. B. ____ PG. ____

SURVEY BY ESCO L. RICHARDSON - L.S. 2977 TR. No. 33417

DATE 10/20/79

092-317-03



SO. CALIF. BLUE PRINT CO.

CO ENG FB 3596 - 54

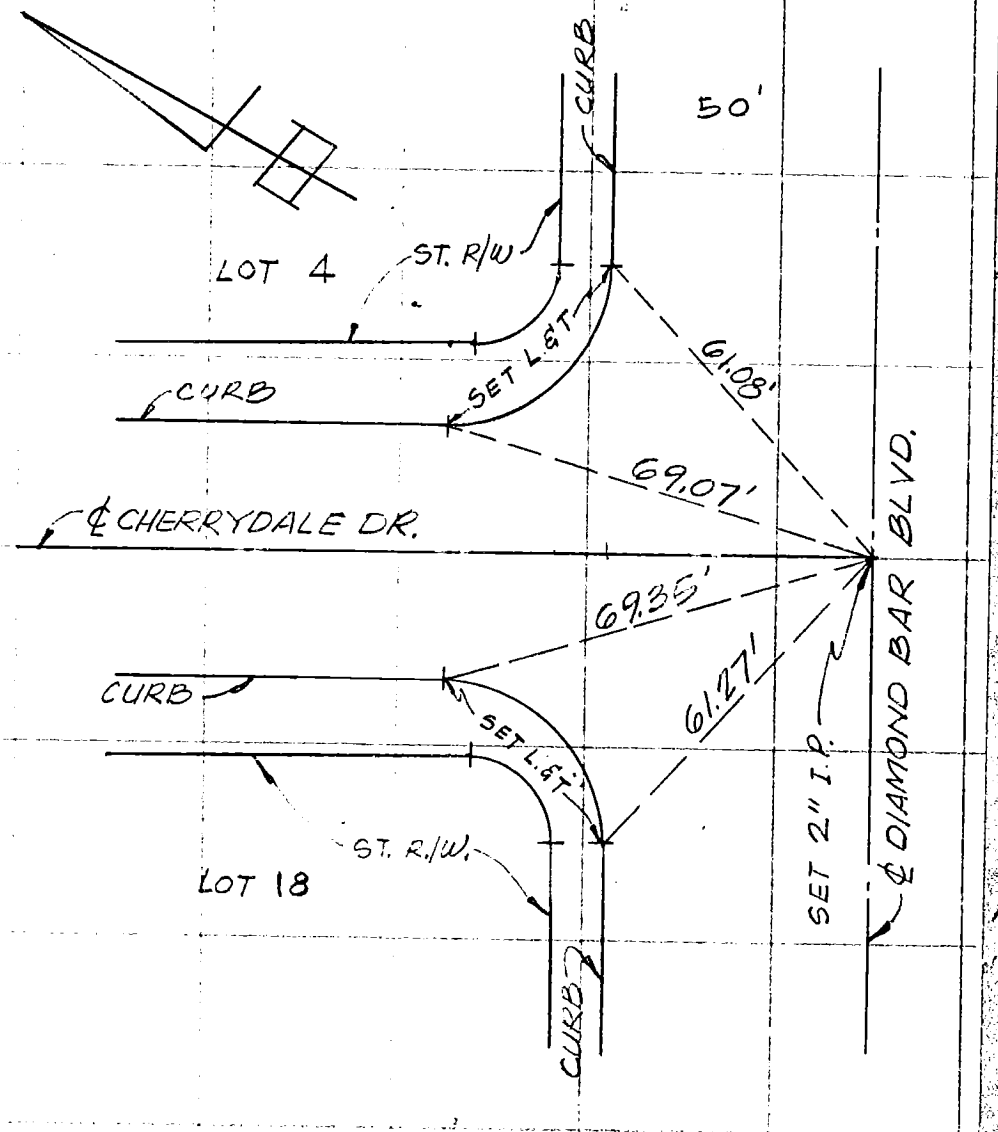
SURVEY OF CENTERLINE TIES F. B. ____ PG. ____

SURVEY BY ESCO L. RICHARDSON-L.S.2977 TR. No. 33417

DATE Mar 7, 1980

099-317C-3

SO. CALIF. BLUE PRINT CO.

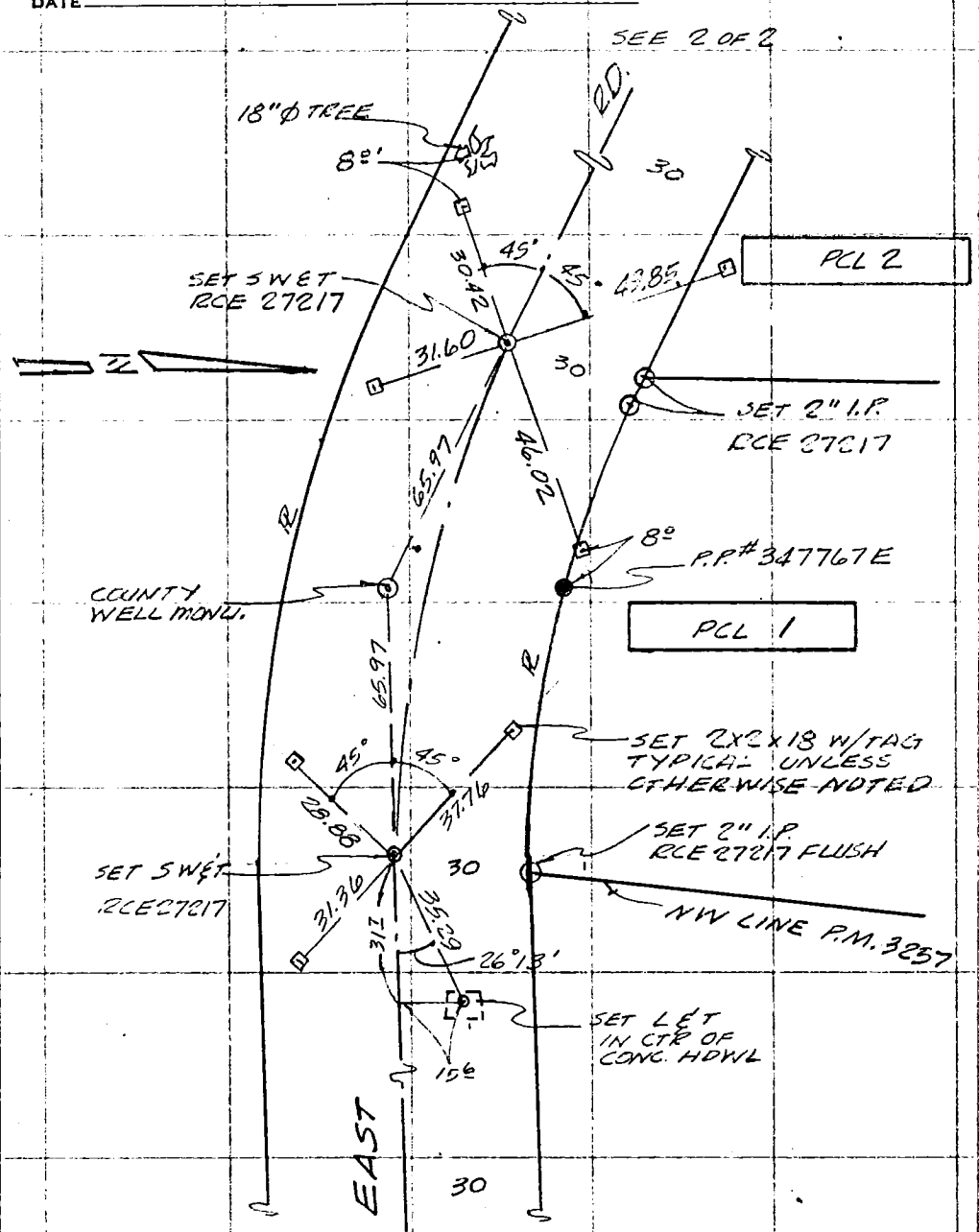


CO ENGFE 3596 - 55

SURVEY OF TRACT #36603 ETIES F. B. ____ PG. 1 OF 2

SURVEY BY JAMES O'MALLEY - RCE 27217 TR. NO. 36603

DATE 3-12-80



W.S 38 B-5

SO. CALIF. BLUE PRINT CO.

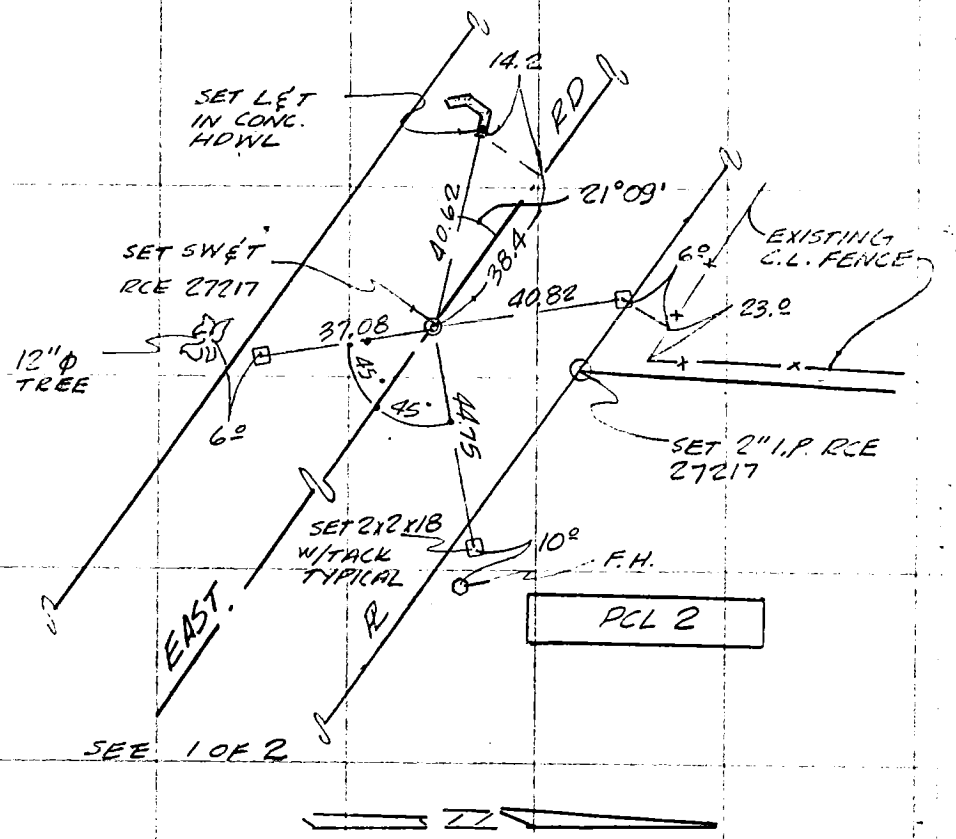
56

CO ENG FB 3596 - 56

SURVEY OF TRACT # 36603 & TIES F. B. ____ PG. 2 OF 2

SURVEY BY JAMES O'MALLEY - RCE 27217 TR. No. 36603

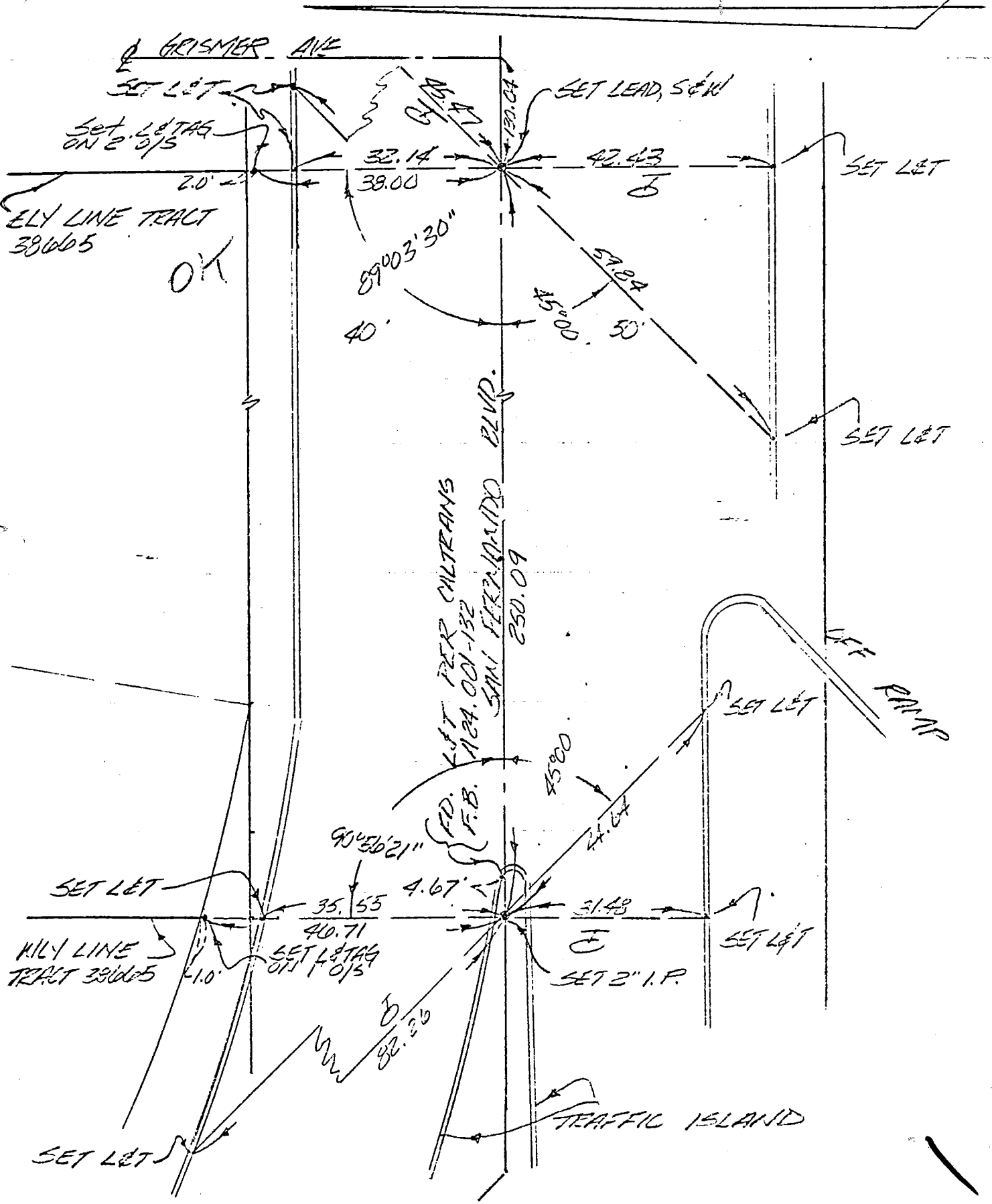
DATE 3-12-80



SO. CALIF. BLUE PRINT CO.

SURVEY OF CENTERLINE TIES 57 F.B. CO ENG FB 3596 PAGE 57
SURVEYED BY WAGNER-KERR & ASSOC. DATE 5-15-80
MONUMENTS TAGGED L.S.# 3164 TRACT 38665 SHEET ___ OF ___
CHECKED BY ___ Km GRID ___ MB ___

W.S. 40B-1



SERVCO NO. 404

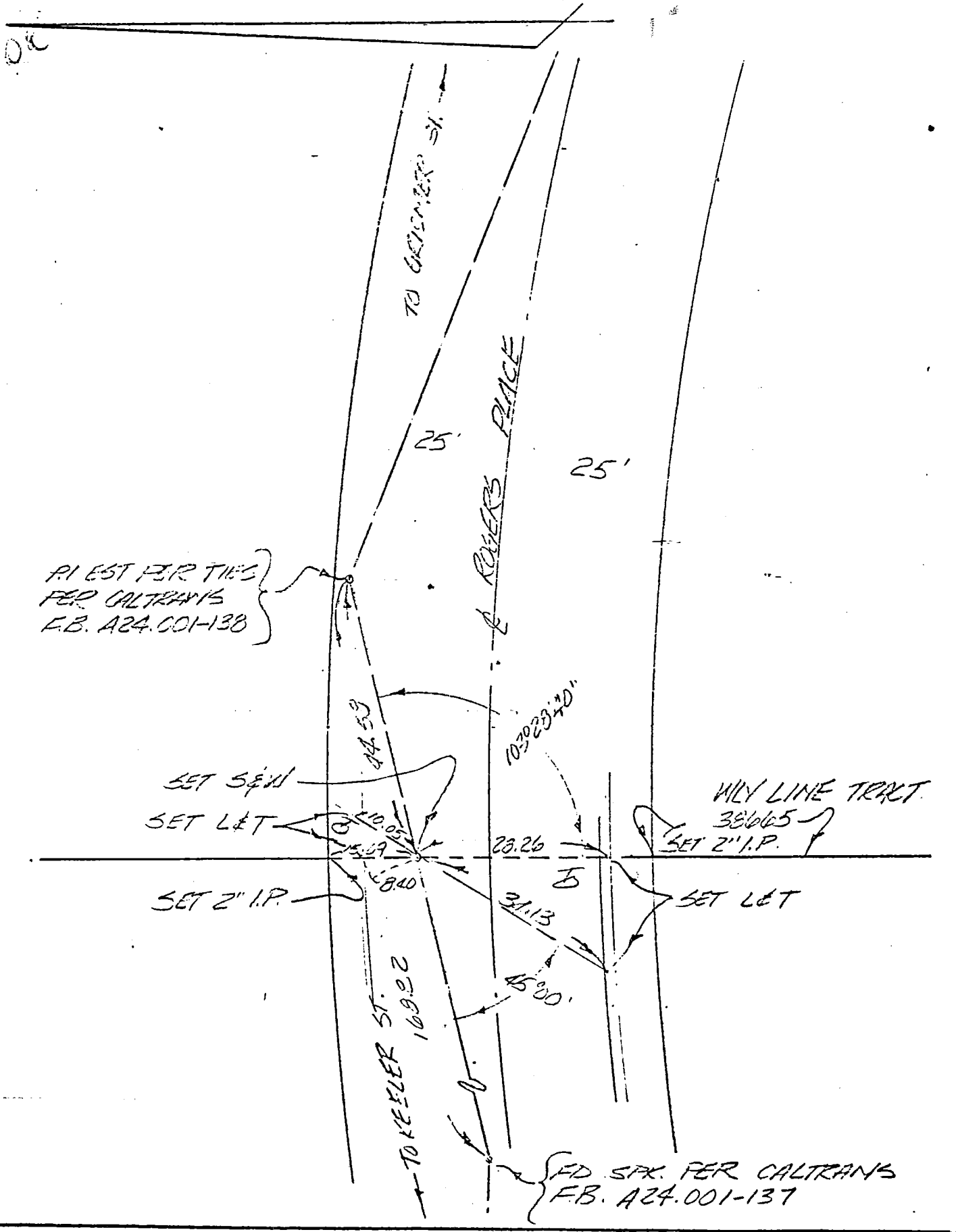
SURVEY OF CENTERLINE TIES 58 F.B. CO ENG FB 3596 58

SURVEYED BY WAGNER-KERR & ASSOC. DATE 5-15-80

MONUMENTS TAGGED L.S.# 3164 TRACT 38665 SHEET OF

CHECKED BY KM GRID MB

W.S.408-1



SERVCO NO. 401

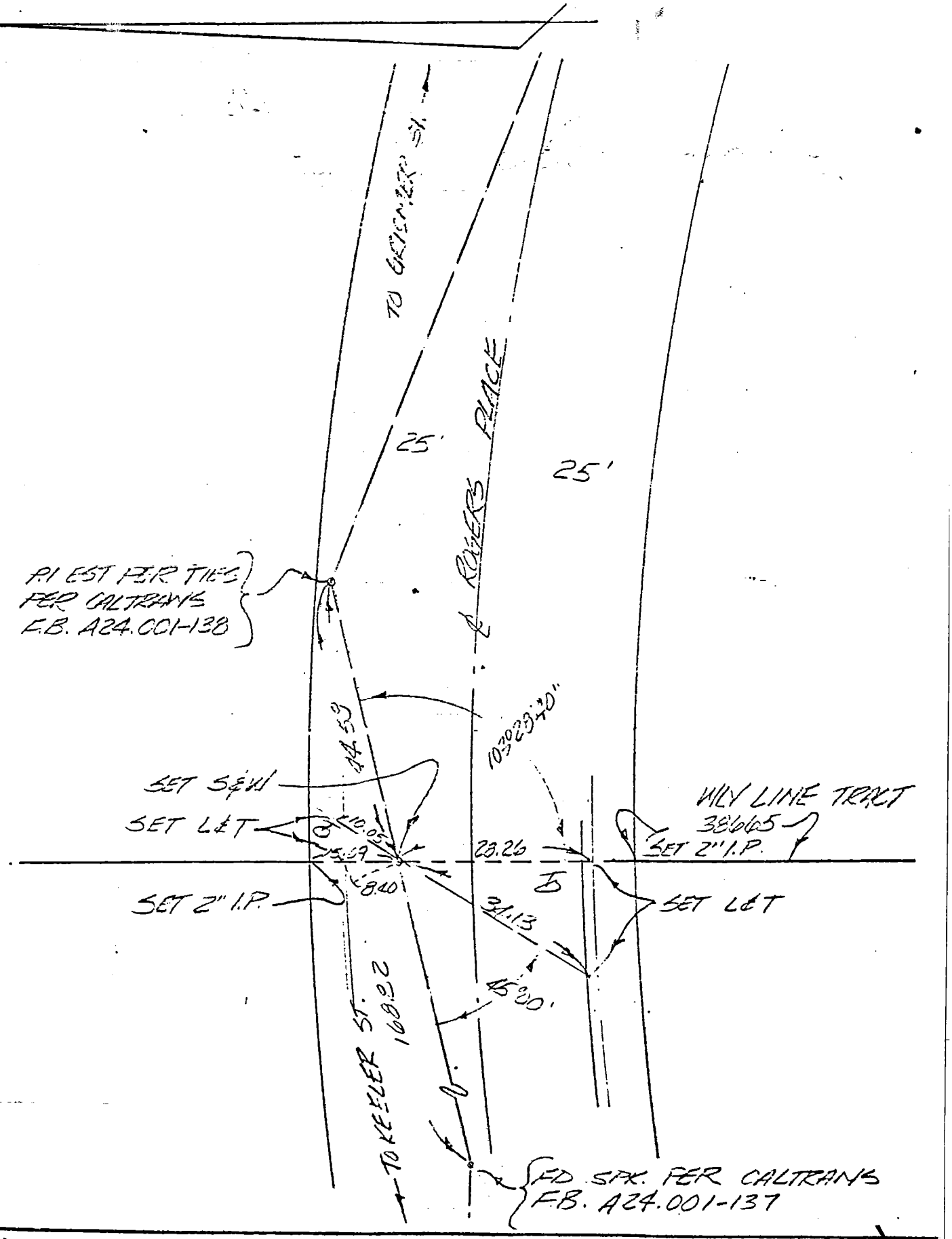
SURVEY OF CENTERLINE TIES, 60 F.B. CO ENG FB 3596 page 60

SURVEYED BY WAGNER-KERR & ASSOC. DATE 5-15-80

MONUMENTS TAGGED L.S. # 3164 TRACT 38665 SHEET _ OF _

CHECKED BY KM GRID MB

W.S. 40B-7



SURVEYED NO. 404

61

ENG. 3883B (12/78)
Title & Plat Sheet
50% Rag

Surveyed by — L. V. Vadasz Date 4-26-80 F.B. CO ENG FB 3596 Pg. 61

Type of Survey ℄ MONUMENTATION TIES Sheet 1 of 3

Distances corrected to 68° ____ Monuments tagged ____ LS # 3571 Tract or ~~Parcel Map~~ # 37266

RCE # ____

Checked by ____ Date ____ km grid ____ MB ____

NOTE: Additions or changes must be initialed, and dated.

Return original to
BUREAU OF ENGINEERING
SURVEY DIVISION, Rm. 835
200 N. Main St. — Los Angeles 90012

Ground Dist. X Correction Factor: ____ = Grid Distance

℄ MONUMENTATION TIES

FOR

TRACT Nº 37266

ON ELMWOOD AVENUE

BETWEEN SIXTH STREET AND KENNETH ROAD

May 26, 1980

L. Vadasz & Party

X

ENG. 1 833B (12/78)
Title & Plat Sheet
50% Rag

Surveyed by — L.V. Vadasz Date 4-26-80 F.B. LO ENG FB 3596 Pg. 62

Type of Survey ℄ MONUMENTATION TIES Sheet 2 of 3

Distances corrected to 68° ______ Monuments tagged LS # 3571 Tract or Parcel Map # 37266

RCE # ______

Checked by ______ Date ______ km grid ______ MB ______

NOTE: Additions or changes must be initialed, and dated.

WS-40C-2

Return original to
BUREAU OF ENGINEERING
SURVEY DIVISION, Rm. 835
200 N. Main St. — Los Angeles 90012

Ground Dist. × Correction Factor: ______ = Grid Distance

[redacted] AlLEY

ENG. 3838 (12/78)
Title & Plat Sheet
50% Rag

Surveyed by — L V Vadasz Date 4-26-80 F.B. CO ENG FB 3596 Pg. 63

Type of Survey E MONUMENTATION TIES Sheet 3 of 3

Distances corrected to 68° Monuments tagged

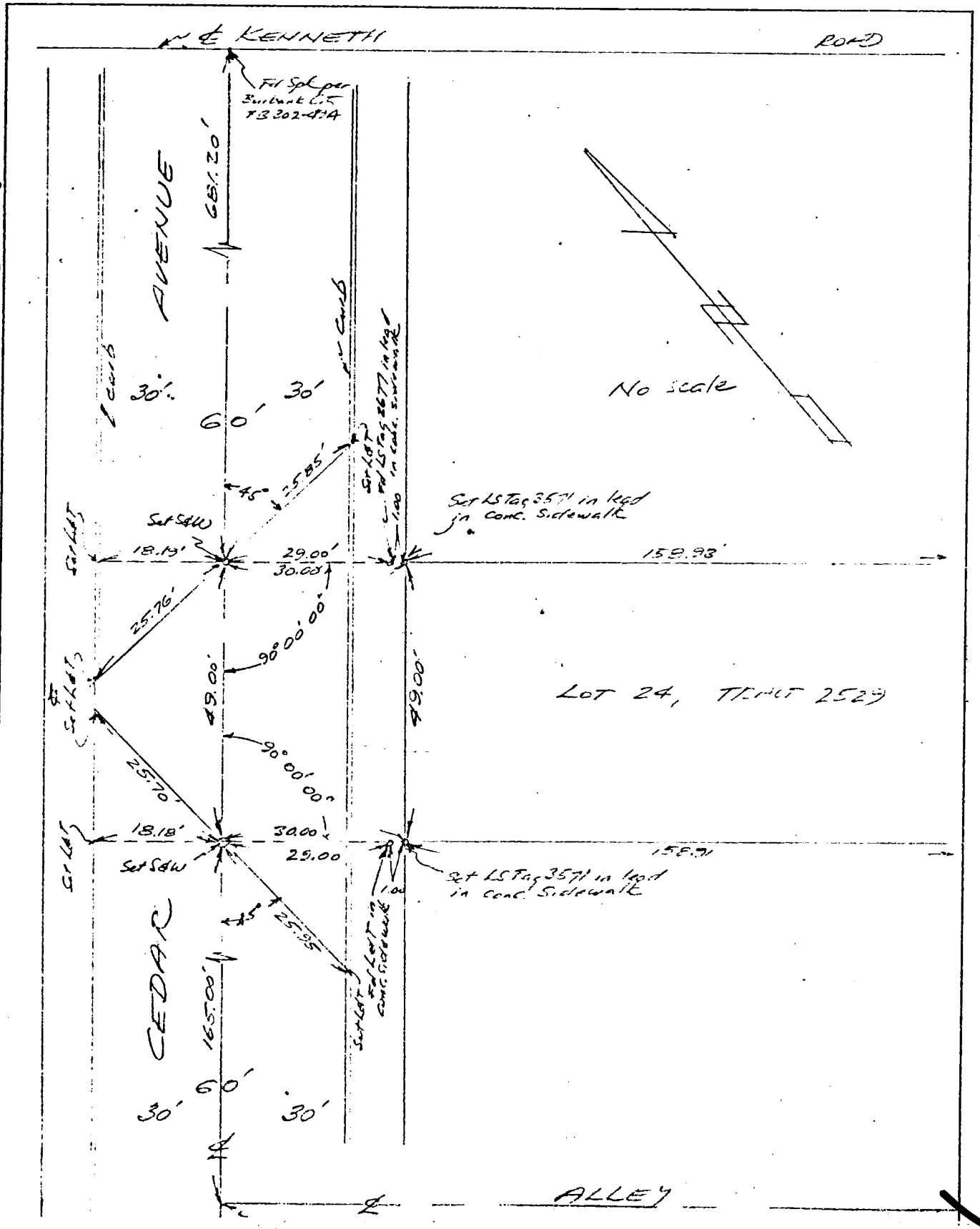
L S # 3571 Tract or

R C E # Parcel Map # 37266

Checked by Date km grid MB

W.S.90C-2

NOTE: Additions or changes must be initialed, and dated.



Return original to
BUREAU OF ENGINEERING
SURVEY DIVISION, Rm. 835
200 N. Main St. — Los Angeles 90012

Ground Dist. X Correction Factor: = Grid Distance

64

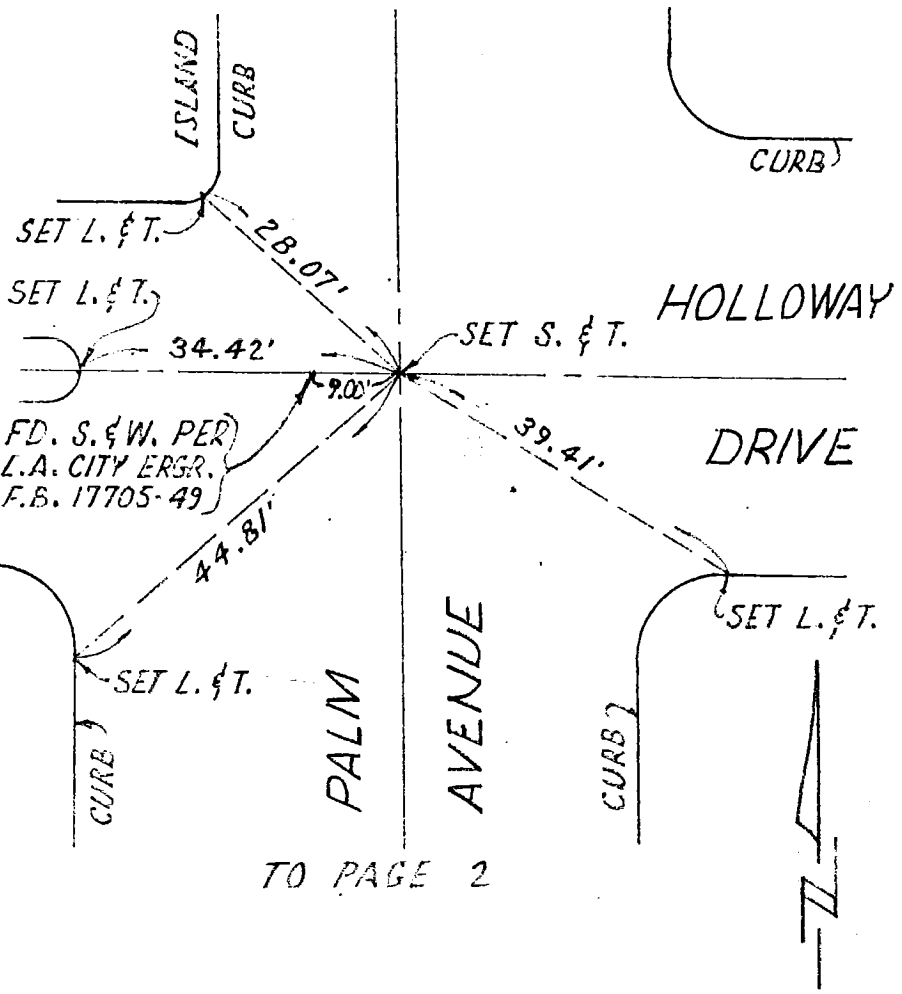
CO ENG FB 3596 - 64

SURVEY OF PALM AVENUE F B NO. PAGE 1

SURVEY BY ENGINEERING SERVICE CORPORATION TRACT NO. 35840

DATE FEB. 20, 1980

J.K. NEWVILLE
R.C.E. 13095



ALL SET L. & T. ARE TAGGED R.C.E. 13095

DO NOT EXTEND NOTES THIS SIDE OF LINE

SURVEYORS SERVICE COMPANY - TA MESA - STOCK NO. 411

W.S. 22B.2

COMING FB 3596 - 65

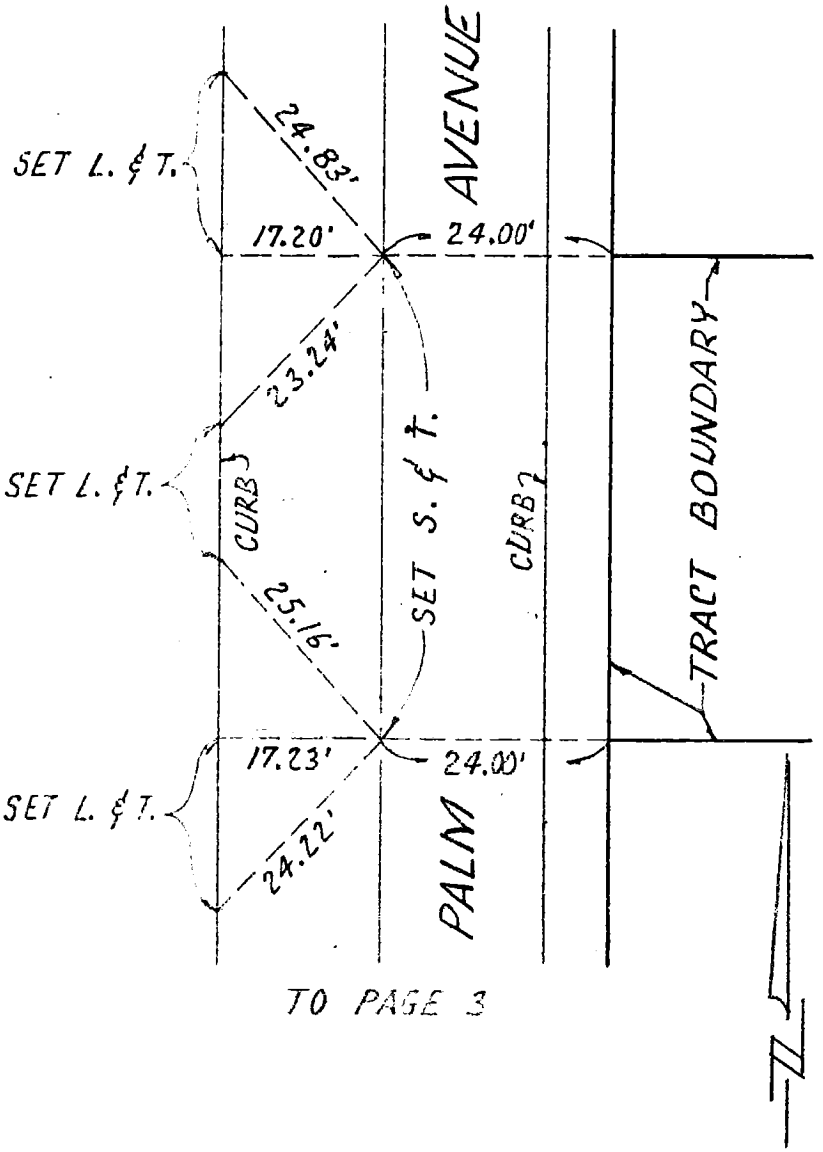
SURVEY OF PALM AVENUE F B NO. ____ PAGE 2

SURVEY BY ENGINEERING SERVICE CORPORATION TRACT NO. 35840

DATE FEB. 20, 1980

J.K. NEWVILLE
R.C.E. 13095

TO PAGE 1



TO PAGE 3

ALL SET L. & T. ARE TAGGED R.C.E. 13095

SURVEYORS SERVICE COMPANY. MESA - STOCK NO. 411
DO NOT EXTEND NOTES THIS SIDE OF LINE

66 CO ENG FB 3596 - 66

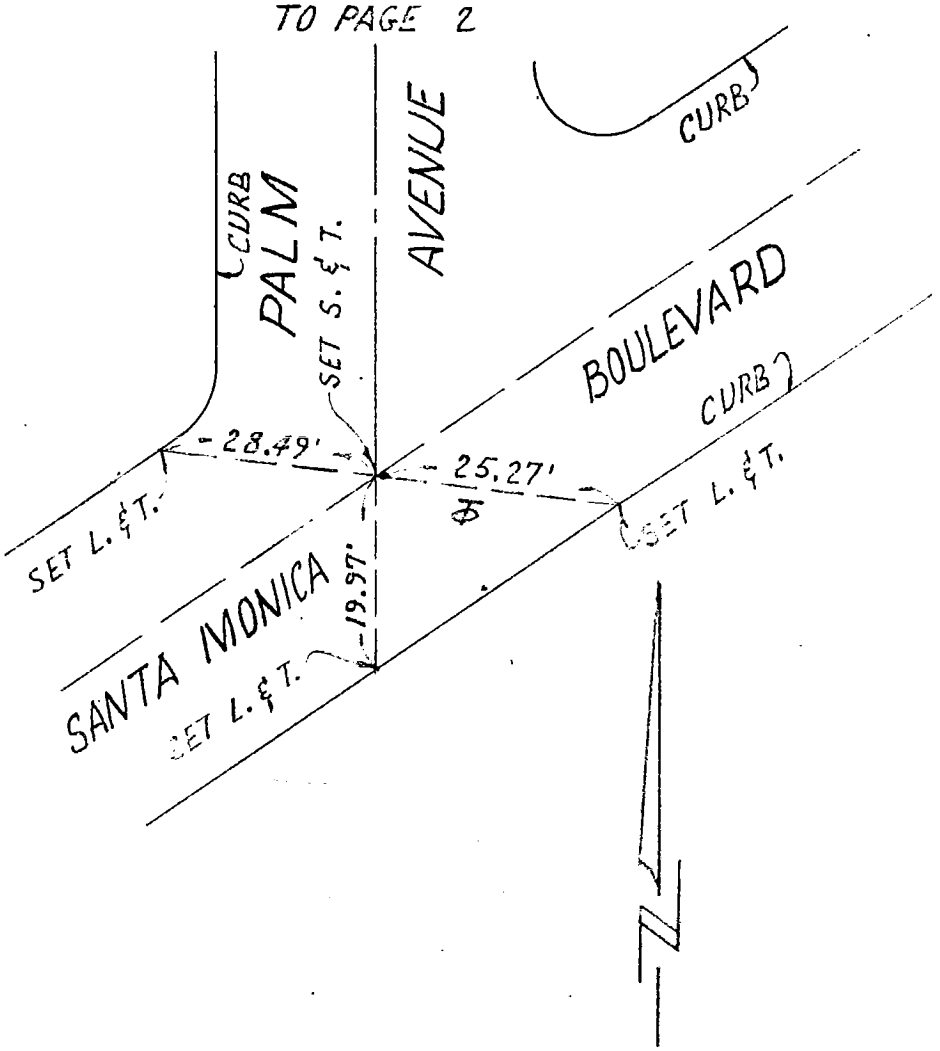
SURVEY OF PALM AVENUE F B NO. PAGE 3

SURVEY BY ENGINEERING SERVICE CORPORATION TRACT NO. 35840

DATE FEB. 20, 1980

J.K. NEWVILLE
R.C.E. 13095

TO PAGE 2



ALL SET L. & T. ARE TAGGED R.C.E. 13095

DO NOT EXTEND NOTES THIS SIDE OF LINE

SURVEYORS SERVICE COMPANY, STA MESA - STOCK NO. 411

W.S. 22 B.3

W.S. 40 E. 3

67

CO ENG FB 3596 - 67

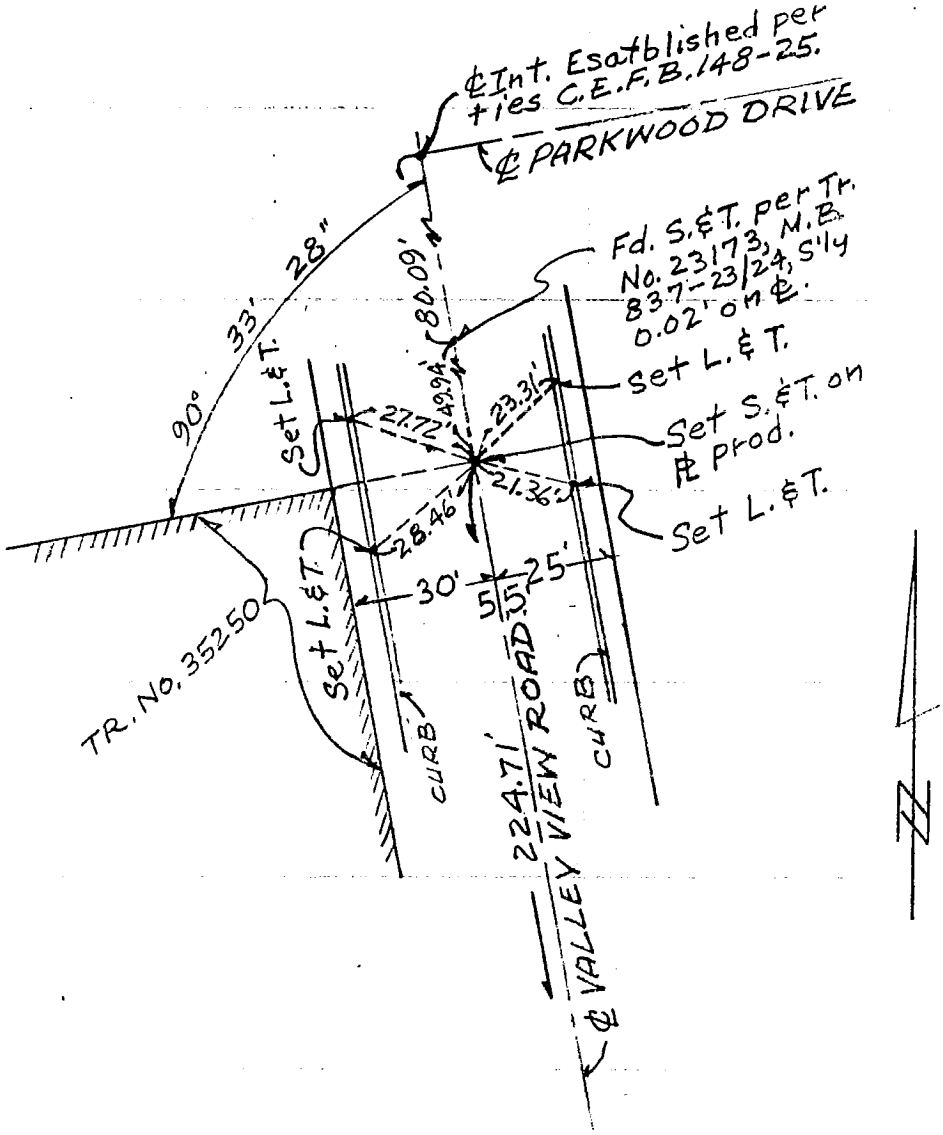
SURVEY OF Centerline Ties F. B. ____ PG. ____

SURVEY BY Ervin Engineering TR. No. 35250

DATE 5-1-80

Fred F. Ervin R.C.E. 11932

IN THE CITY OF GLENDALE



SO. CALIF. BLUE PRINT CO.

W.S. 40E-3

68 CO ENG FB 3596 - 68

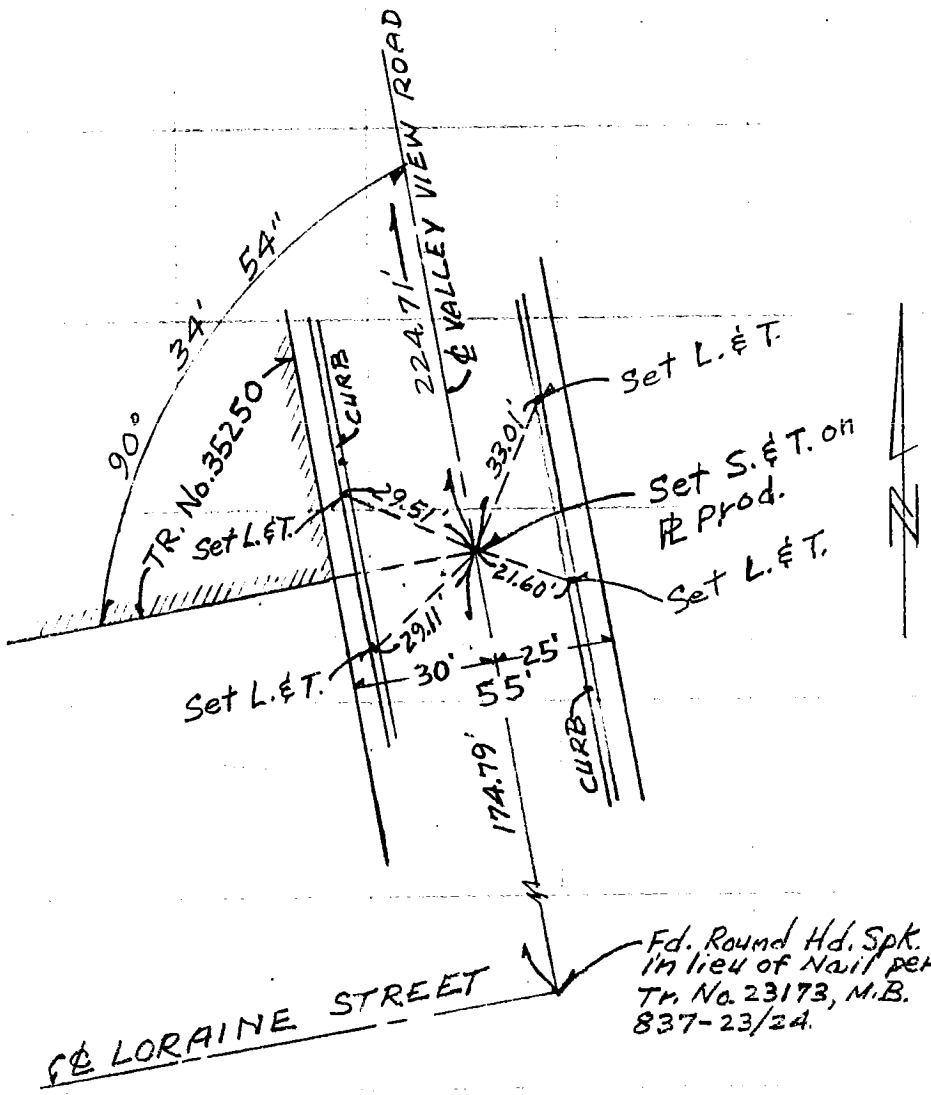
SURVEY OF Centerline Ties F. B. ____ PG. ____

SURVEY BY Ervin Engineering TR. No. 35250

DATE 5-1-80

Fred F. Ervin R.C.E. 11932

IN THE CITY OF GLENDALE



SO. CALIF. BLUE PRINT CO.

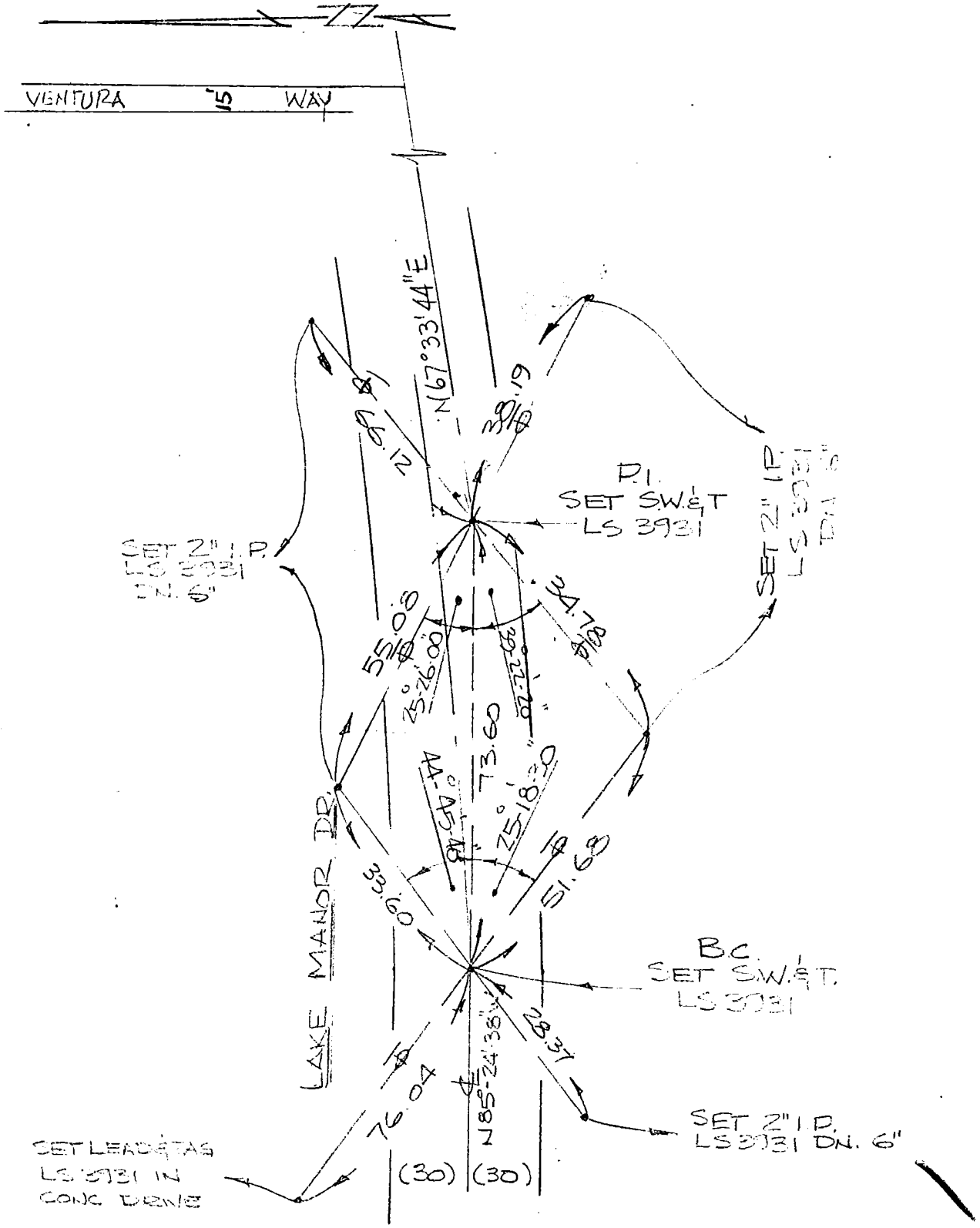
6a

CO ENG FB 3596 - 69

SIKAND ENGINEERING ASSOCIATES
15230 Burbank Boulevard
VAN NUYS, CALIFORNIA 91411
Phone (213) 787-8550

F.B. ℄ TIES PG. 1
W.O. 1050-328 RS 3782
SURVEY BY W. BOSTON
DATE 29 MAY 1980

184-097, C-1



VALCON, Inc.
1429 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

70

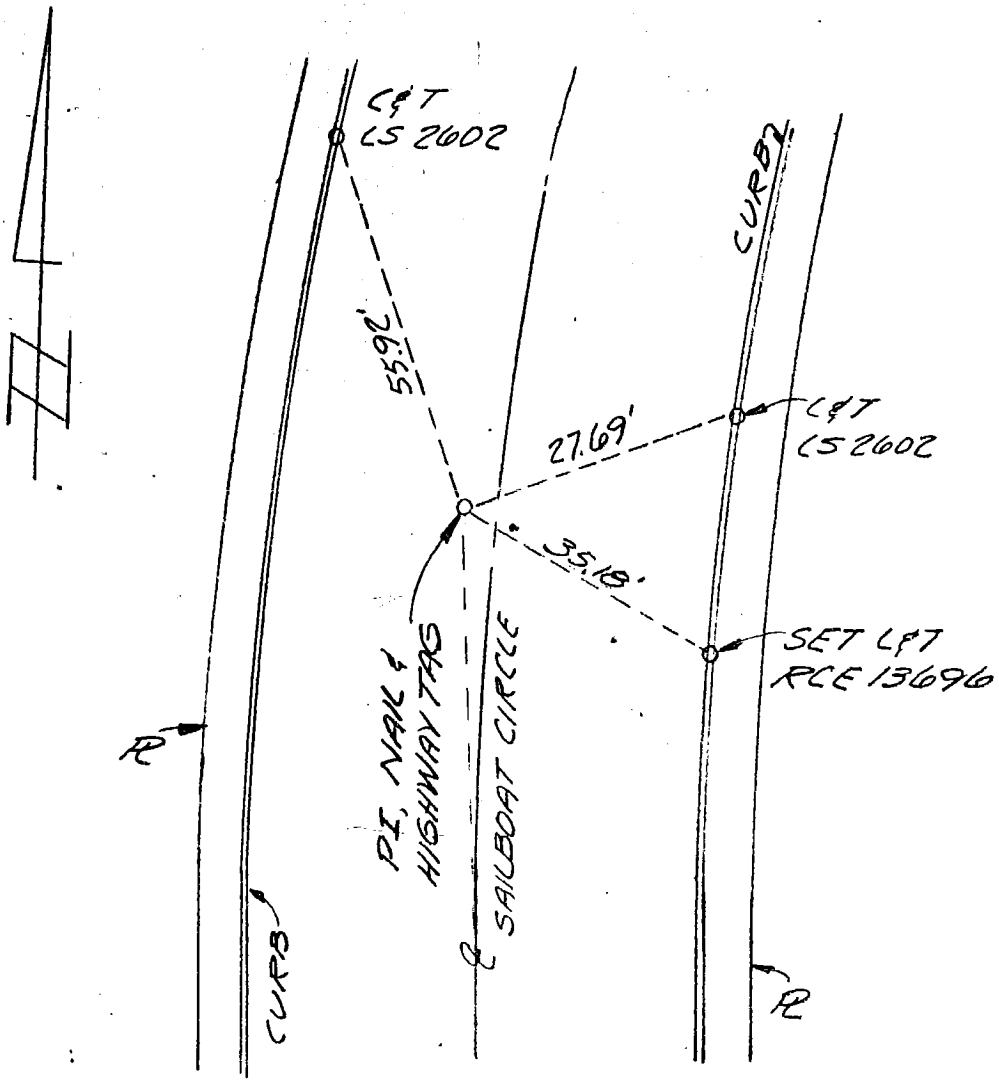
JOB: REEDS / SON

& TIES

CO ENG FB 3596 - 70
BY. BH CKD.
DATE 4-30-80
W.O. 77-2955'
F. B. PG.

SURVEY OF & TIES
SURVEY BY: VALCON, INC.
DATE: 5-1-80

PARCEL MAP 8597



CIVIL ENGINEERS

4

VALCON, Inc.
1439 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

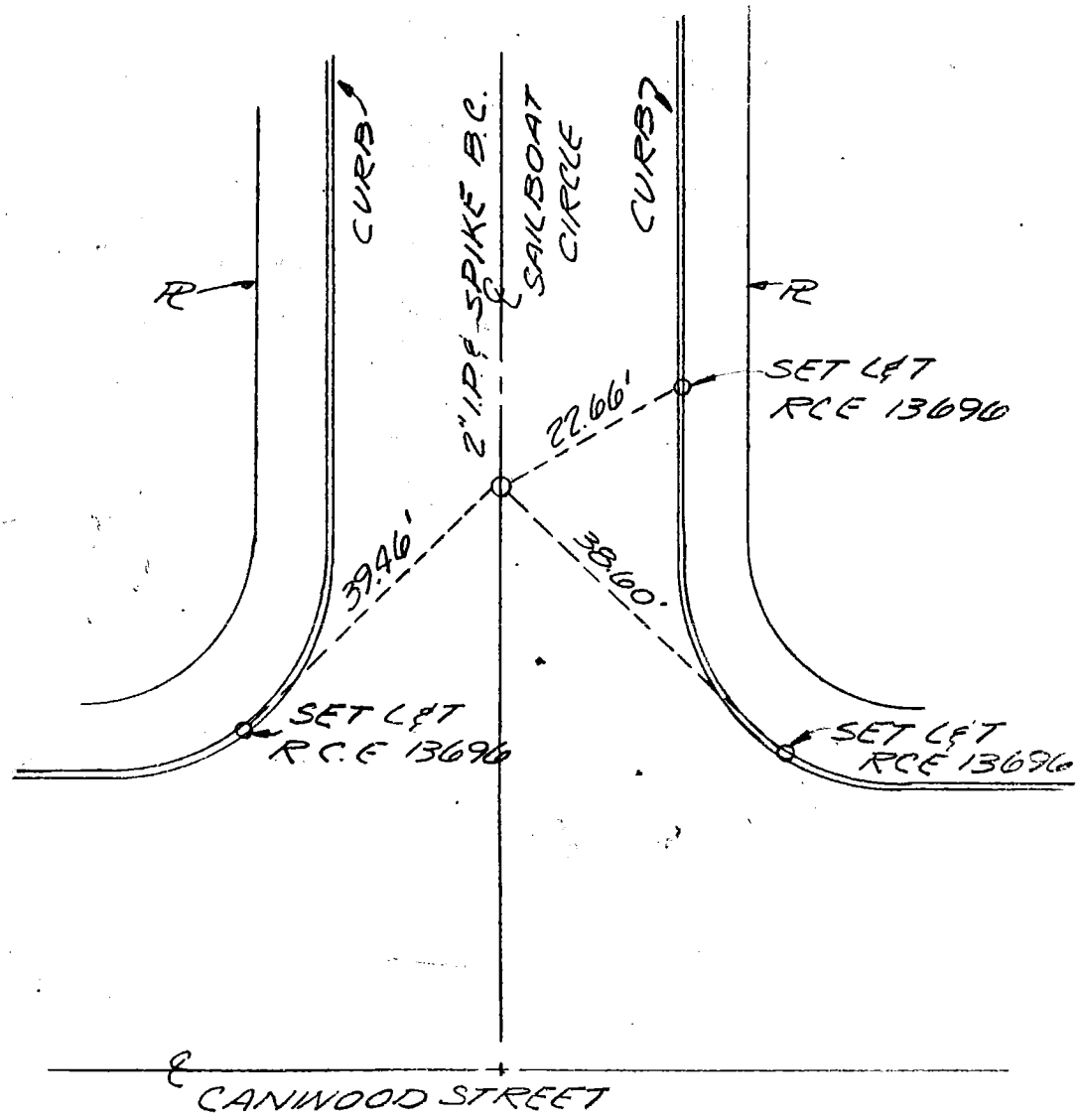
JOB: REEDS & SON
& TIES

CO ENG FB 3590 - 71
BY. BH CKD.
DATE 4-30-80
W.O. 77-2955
F. B. PG.

159-037, B2

SURVEY OF & TIES
SURVEY BY VALCON, INC.
DATE 4-30-80

PARCEL MAP 8597



CIVIL ENGINEERS

VALCON, Inc.
1429 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

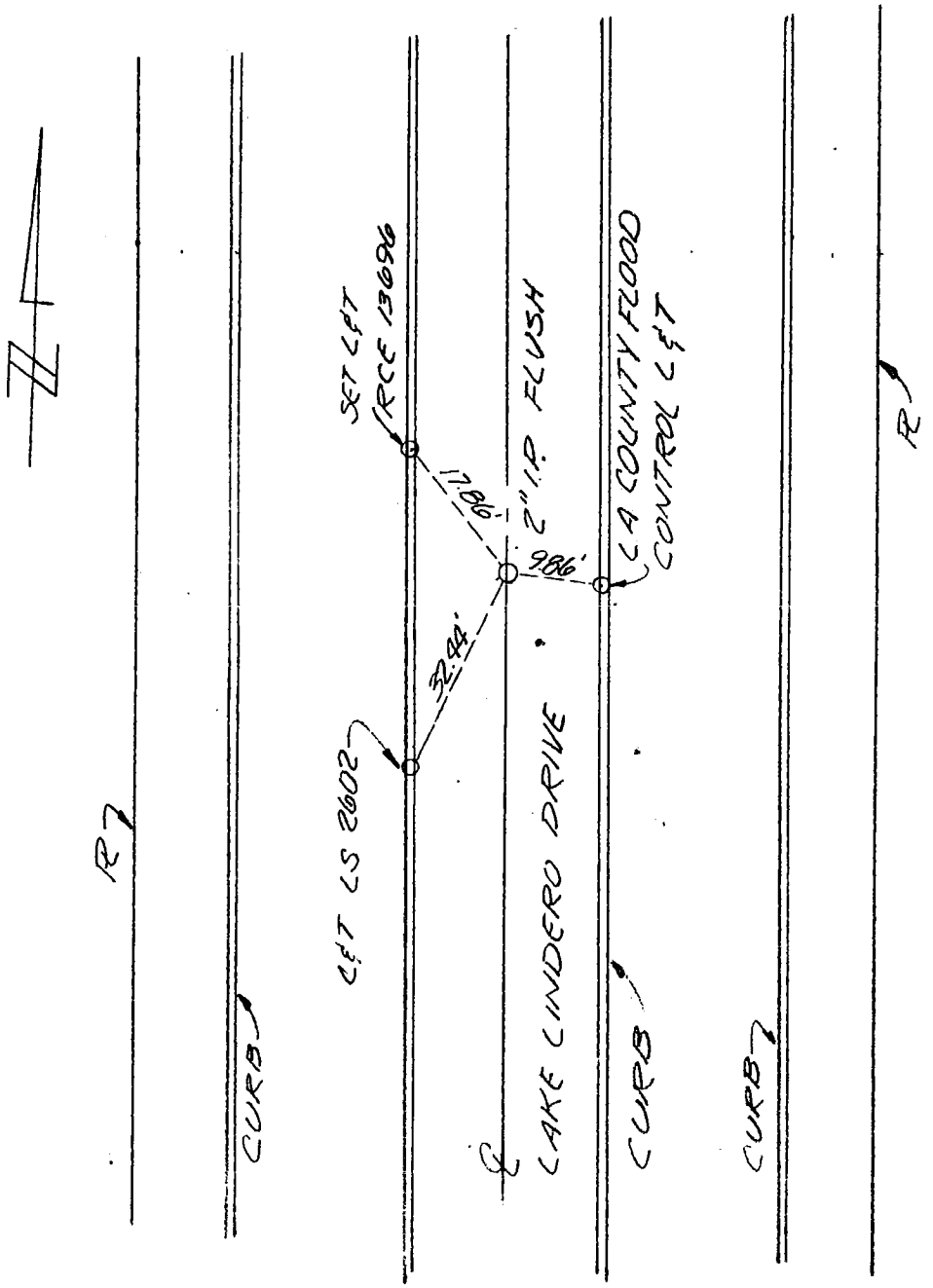
72

JOB: REEDS & SON
& TIES

CB ENG FB 3596 - 72
BY BH CKD.
DATE 4-29-80
W.O. 77-2955
F. B. PG.

SURVEY OF & TIES
SURVEY BY VALCON, INC
DATE: 4-29-80

PARCEL MAP 8597



CIVIL ENGINEERS

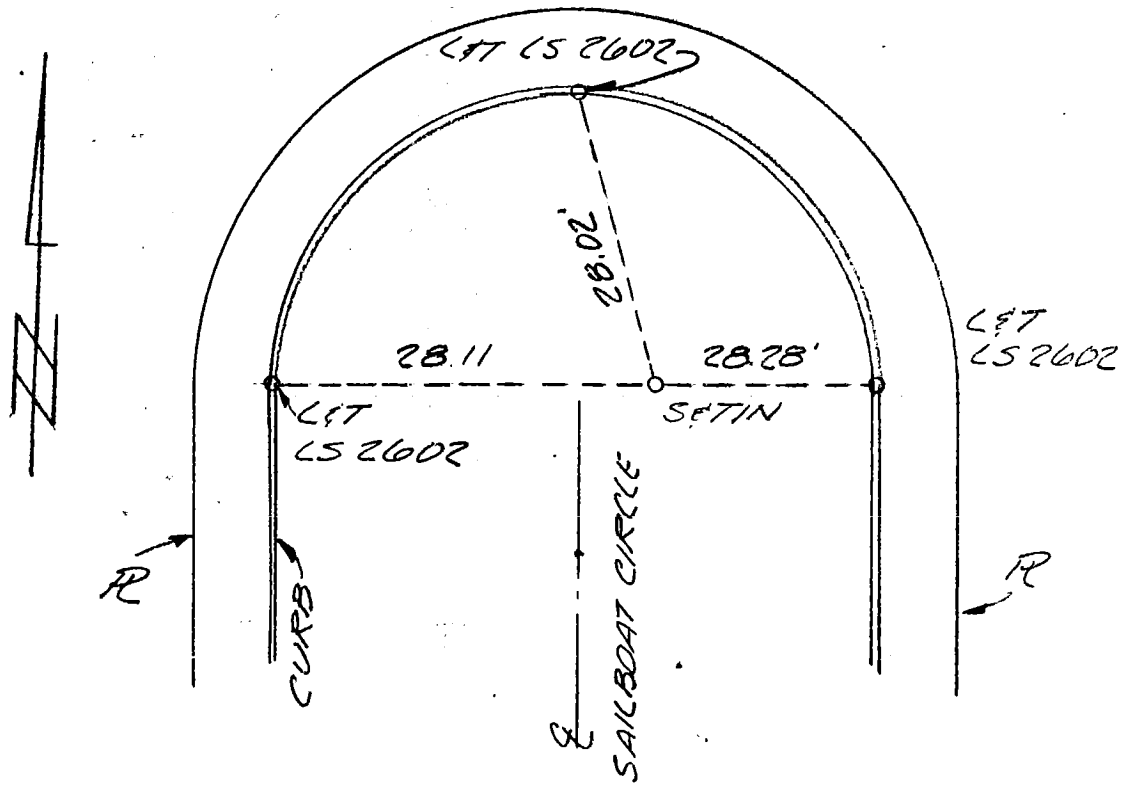
VALCON, Inc.
1429 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

JOB: 73 REDSTONE
& TIES

CO ENG FB 3596 - 73
BY BH CKD.
DATE 5-1-80
W.O. 77-2955
F. B. PG.

SURVEY OF & TIES
SURVEY BY VALCON, INC.
DATE 5-1-80

PARCEL MAP 8597



CIVIL ENGINEERS

74

CO ENG FB 3596 -74

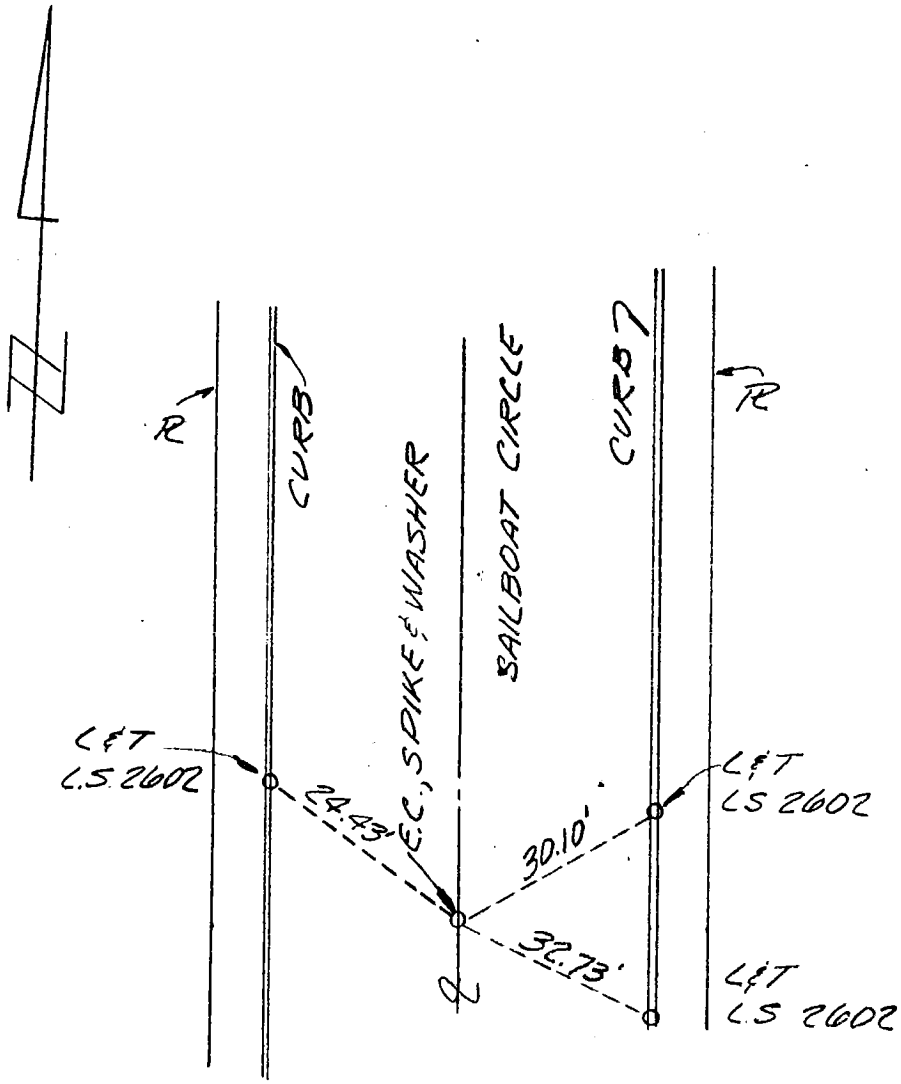
VALCON, Inc.
1429 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

JOB: REEDS & SON
℄ TIES

BY B.H. CKD.
DATE 5-1-80
W.O. 77-2955
F.B. PG.

SURVEY OF ℄ TIES
SURVEY BY VALCON, INC.
DATE 5-1-80

PARCEL MAP 8597



IVIL ENGINEERS

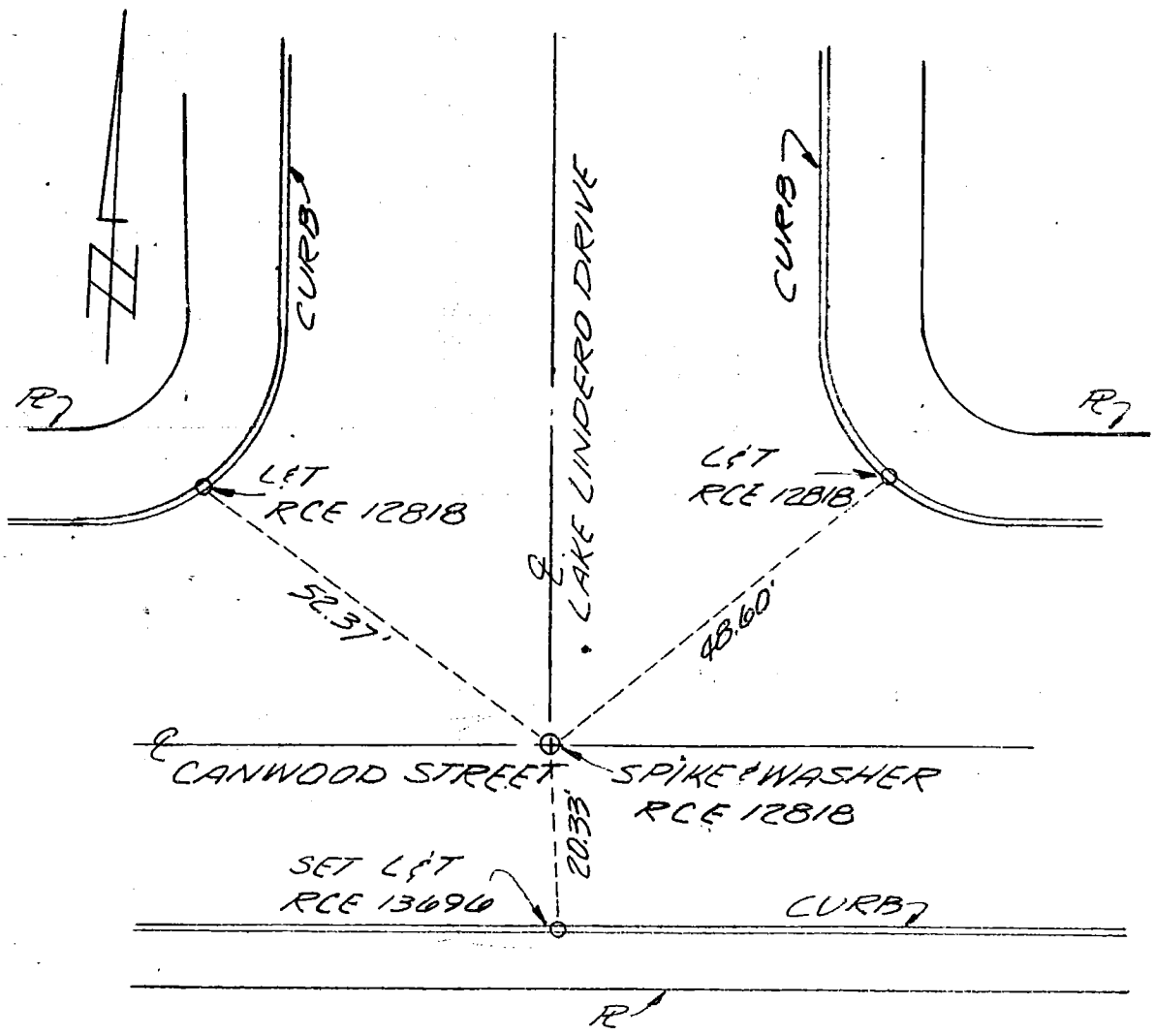
VALCON, Inc.
1429 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

JOB: REEDS & SON
℄ TIES

BY: BH CKD.
DATE 4-30-80
W.O. 77-2955
F. B. PG.

SURVEY OF ℄ TIES
SURVEY BY VALCON, INC.
DATE 4-30-80

PARCEL MAP 8597



154-037 B-2

CIVIL ENGINEERS

VALCON, Inc.
1429 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

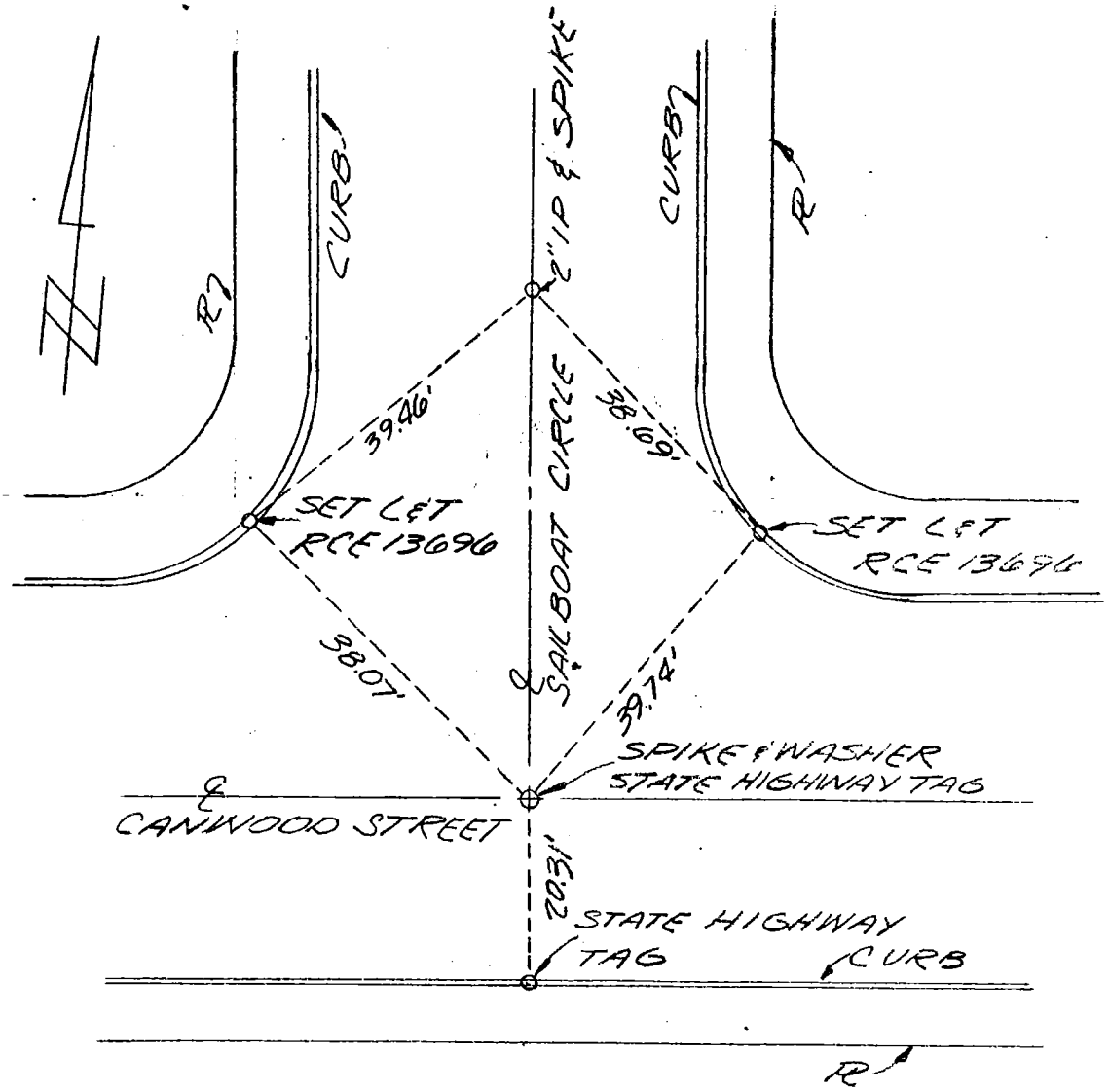
76

JOB: REEDSTROM
& TIES

CO ENG FB 3596 - 76
BY. BH CKD.
DATE 4-30-80
W.O. 77-2955
F. B. PG.

SURVEY OF & TIES
SURVEY BY VALCON, INC
DATE 4-30-80

PARCEL MAP 8597



156-037, A2

CIVIL ENGINEERS

77

CO ENG FB 3596 - 77

VALCON, Inc.

1429 THOUSAND OAKS BLVD
THOUSAND OAKS, CALIF. 91360
AREA CODE 805 PHONE 495-6464
AREA CODE 213 PHONE 889-8822

JOB: REEDS & SON

BY. BH CKD.

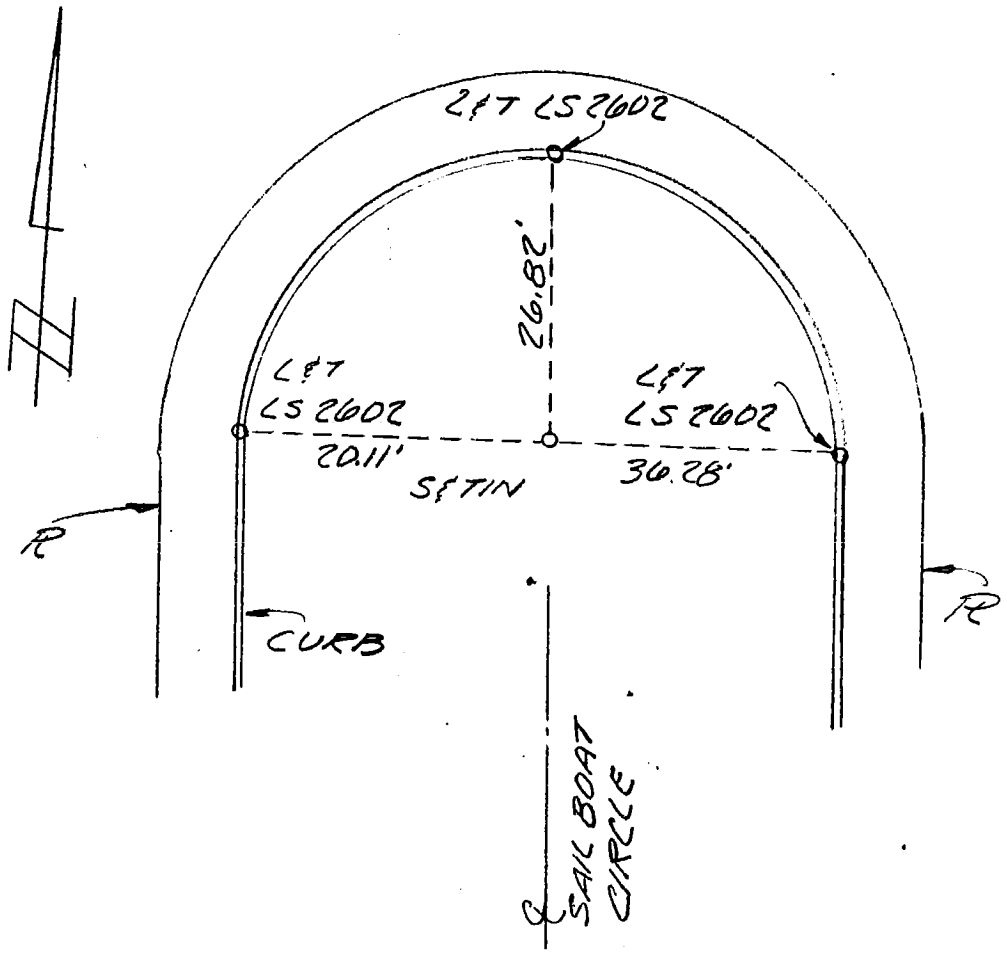
DATE 5-1-80

W.O. 77-2955

F. B. PG.

SURVEY OF & TIES
SURVEY BY VALCON, INC.
DATE 5-1-80

PARCEL MAP 8597



CIVIL ENGINEERS

7

78

CO ENG FB 3596 - 78

SURVEY OF ℄ MONUMENTS F B NO. PAGE

SURVEY BY DARRYL E. DALCIN TRACT NO. 39300

DATE 4/12/80 R.C.E. 27797

LEGEND:

- ⊕ SET S., T. & W. R.C.E. 27797
- ● SET L. & T. R.C.E. 27797

W.S. 28,43

SURVEYORS SERVICE COMPANY, COSTA MESA - STOCK NO. 411

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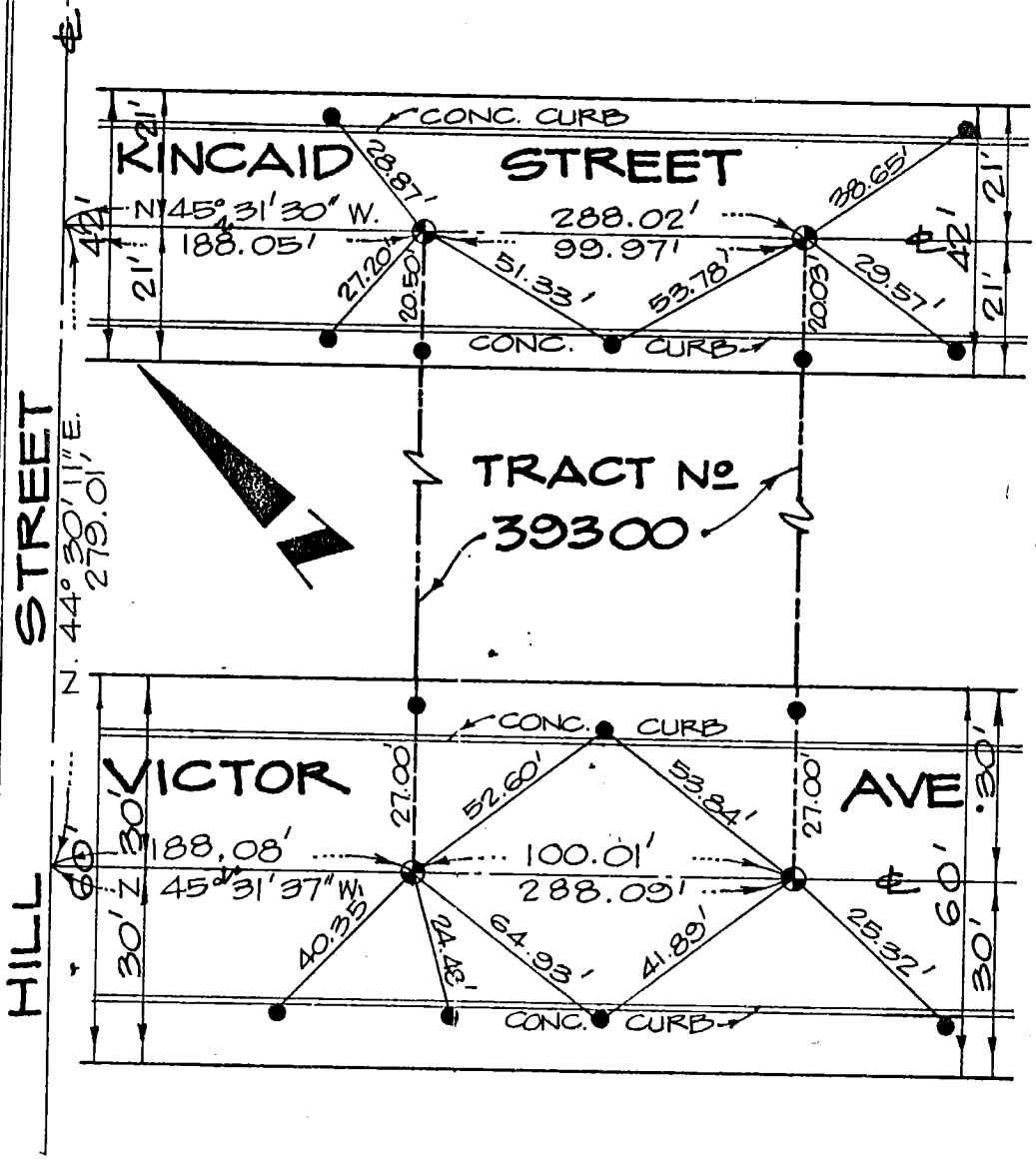


CO ENG FB 3596 - 79

CREW

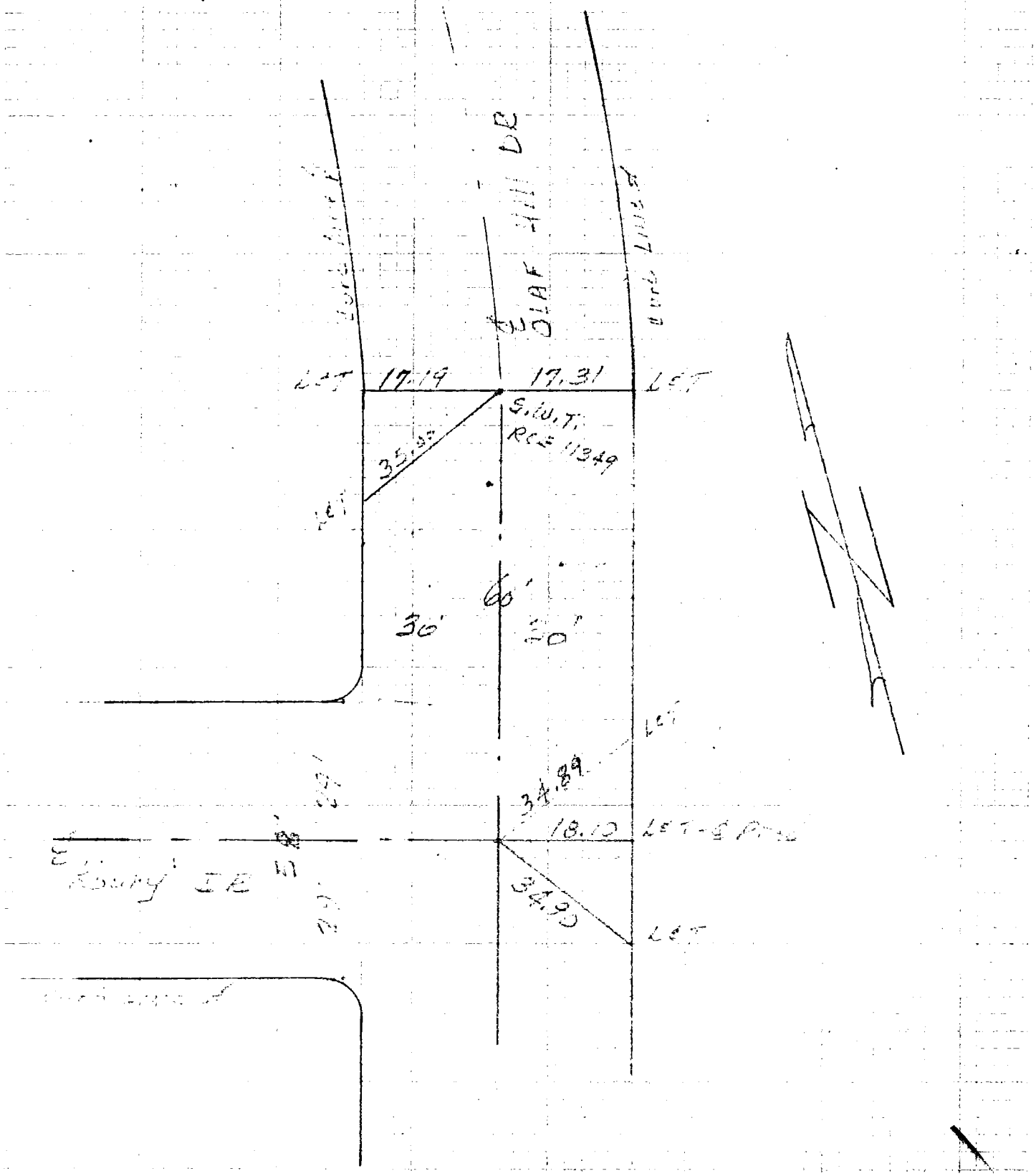
JOB NO.

DATE

PAGE OF

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 29719
MAY 1980



KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

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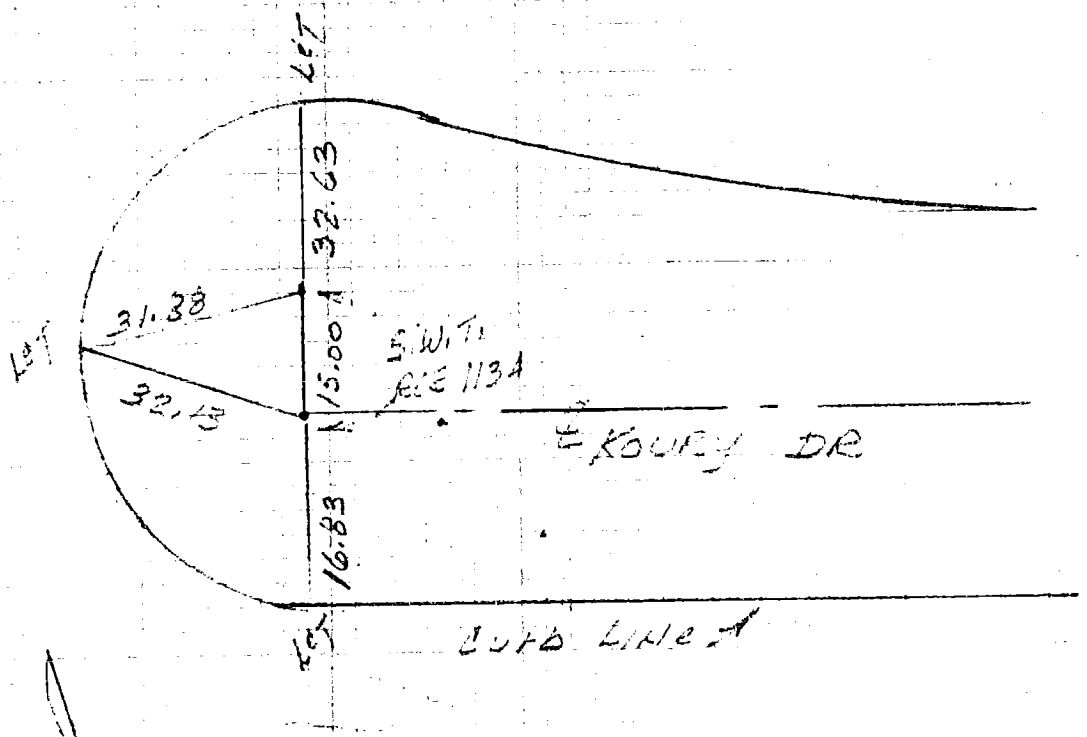
JOB NO. 3569 Pag 80

DATE

PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 29719
MAY 1980



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CO ENG FB 3596 - 81

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

JOB NO

DATE

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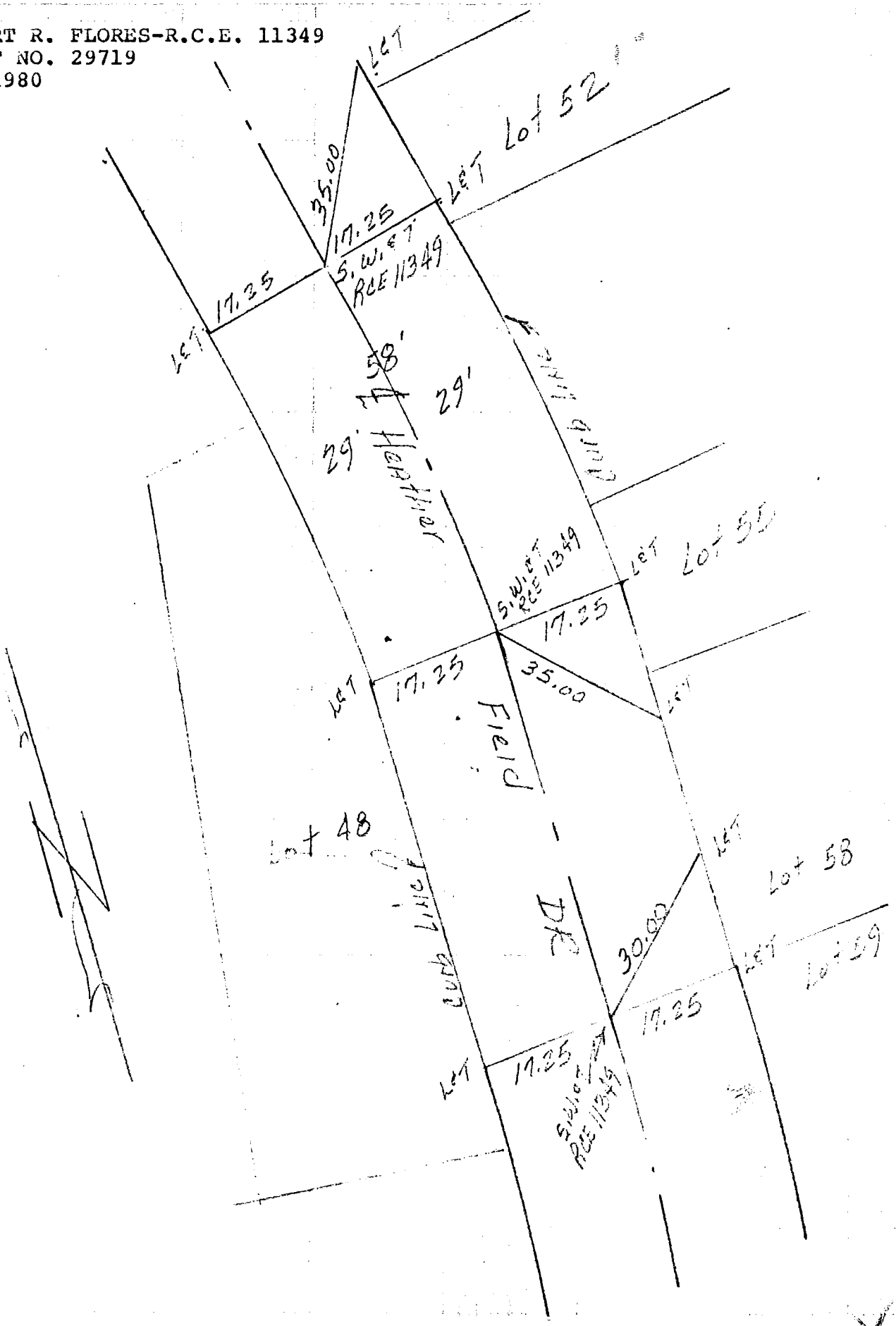
ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 29719
MAY 1980



CO ENG FB 3596 - 82

KEMMERER ENGINEERING CO., INC.
4705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

CREW

JOB NO

DATE

PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 29719
MAY 1980

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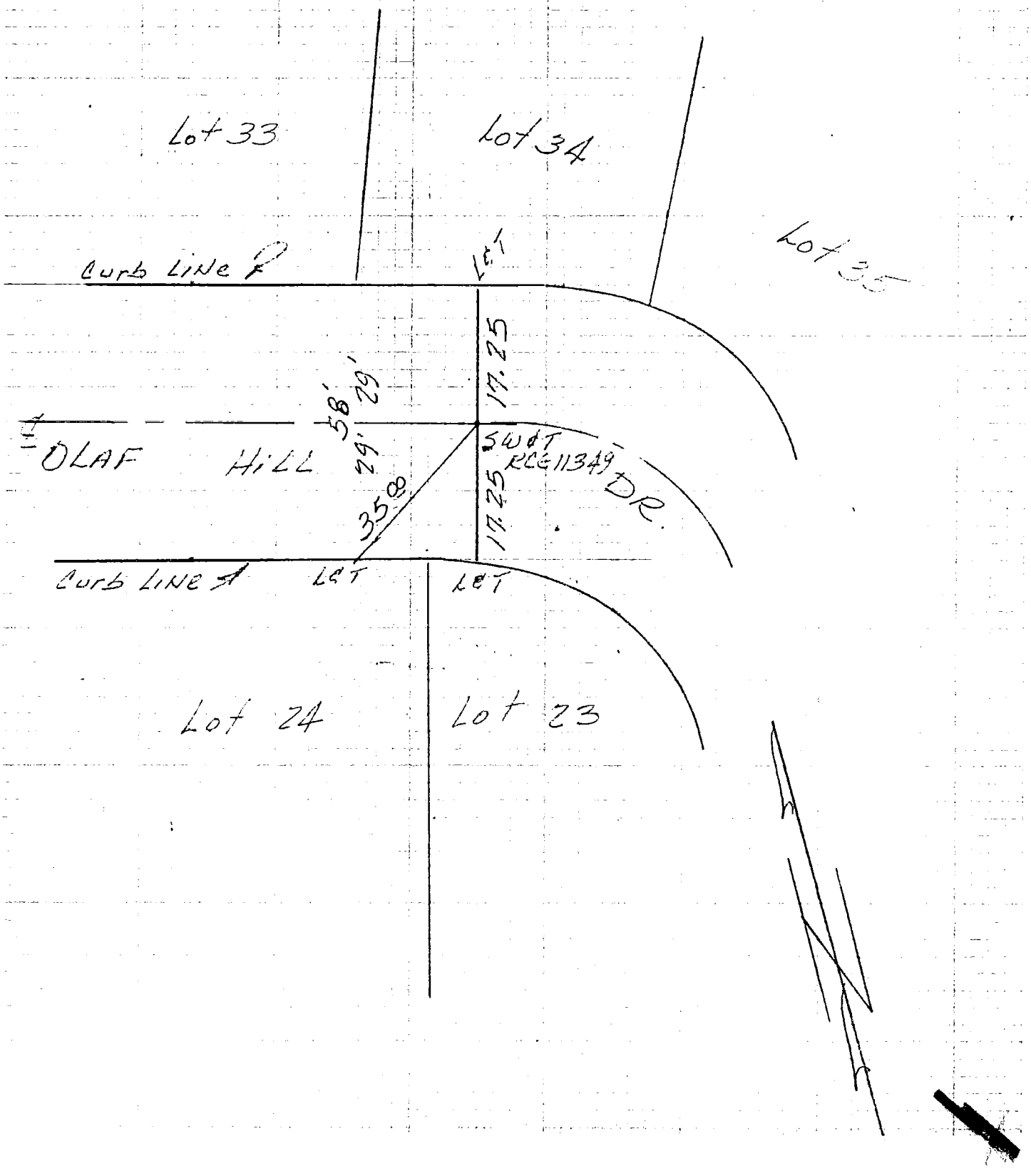


CO ENG FB 3596 - 83

CREW

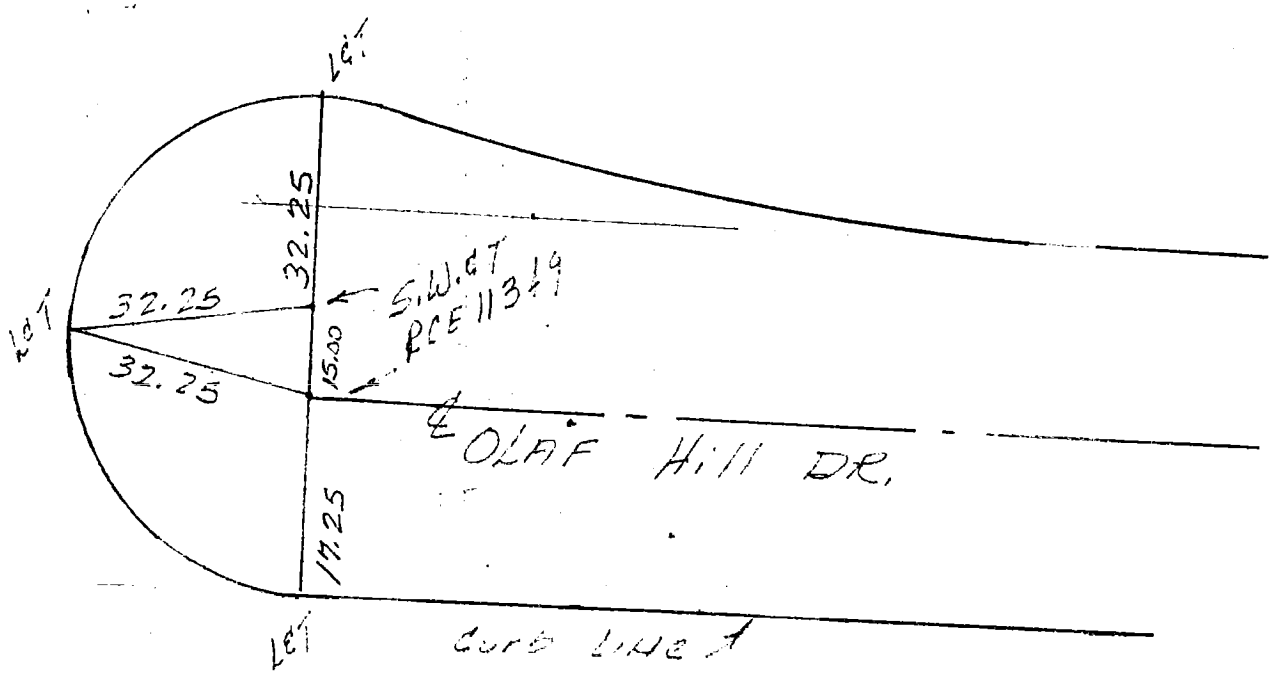
JOB NO

DATE

PAGE OF

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 29719
MAY 1980



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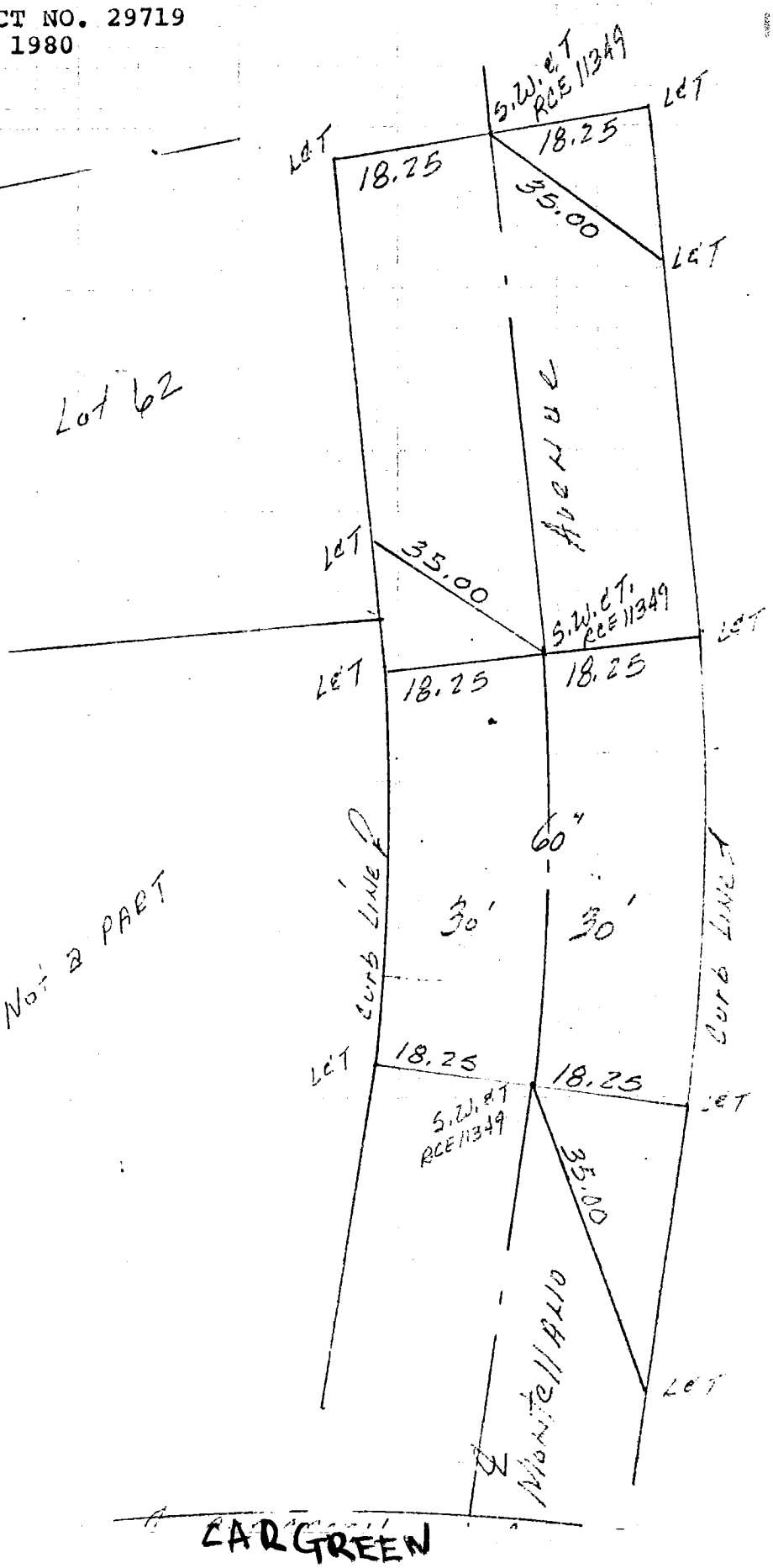
PAGE OF

KIMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 29719
MAY 1980

W.S. 37D-S



CO ENG FB 3596 - 85

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

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ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 29719
MAY 1980

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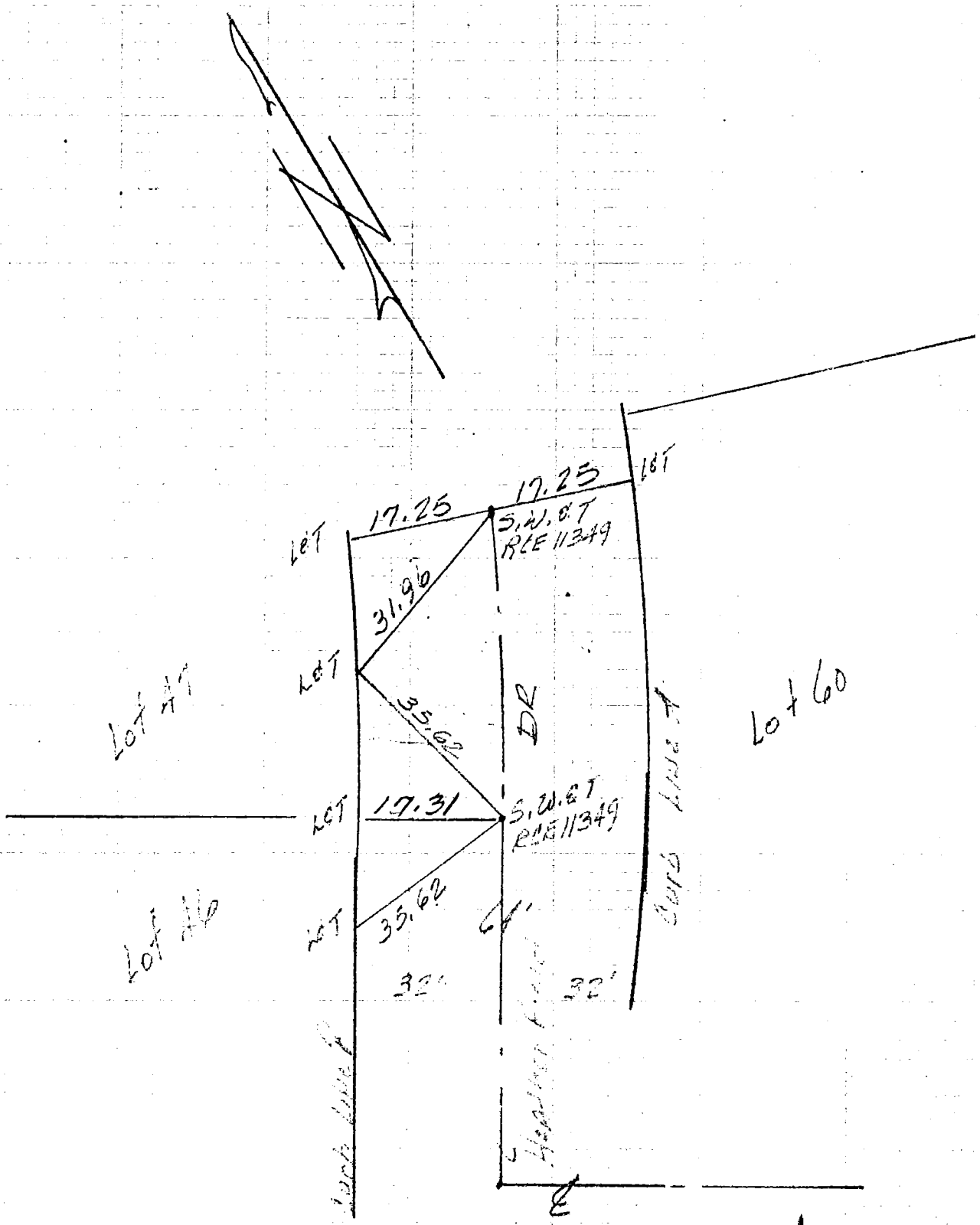

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

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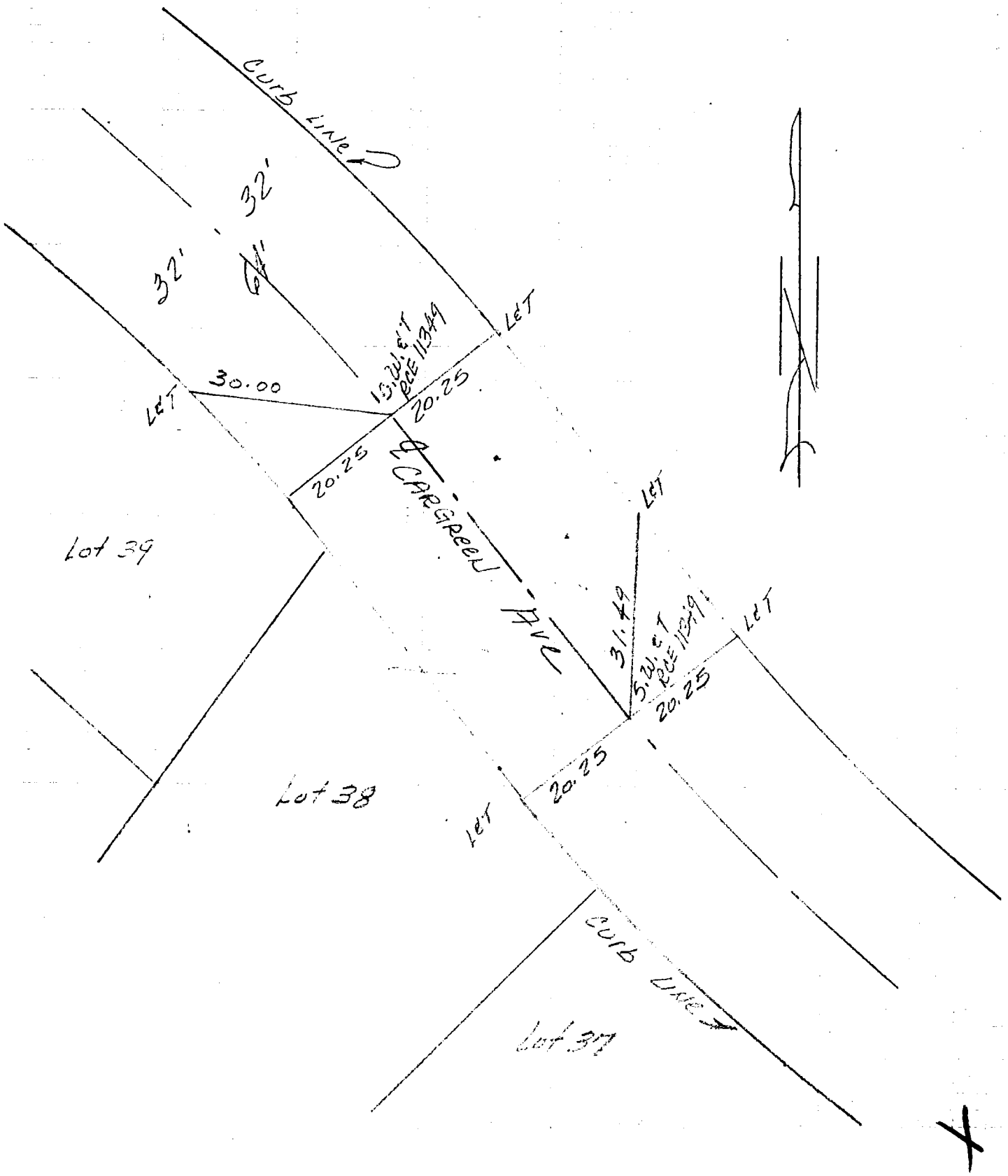
TRACT NO. 30941
MAY 1980



CO ENG FB 3596 - 87

KEMMERER ENGINEERING CO., INC.
8705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

87

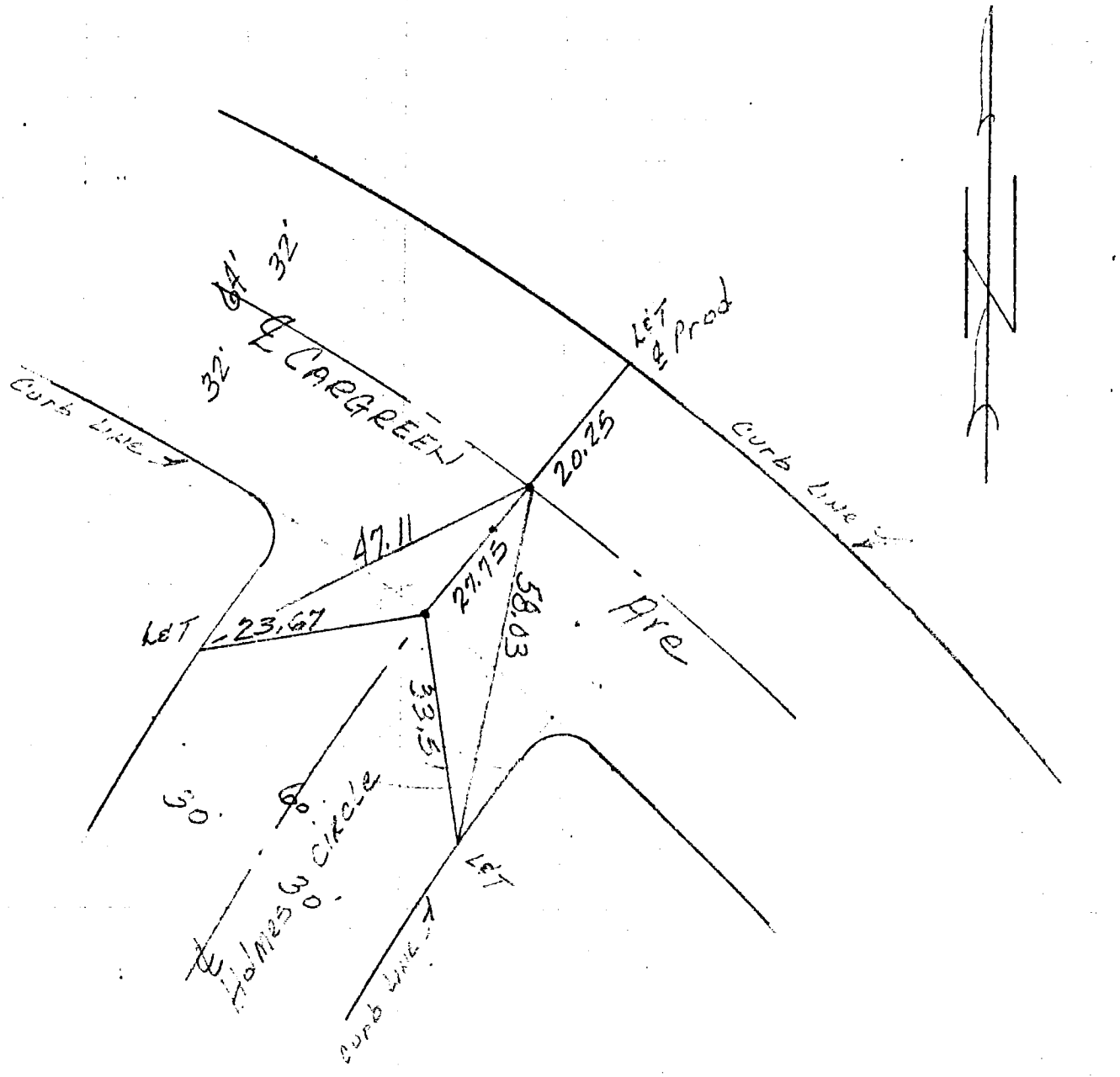
CREW

JOB NO.

DATE

FILE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



EMMERER ENGINEERING CO., INC.
5705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

88

CREW

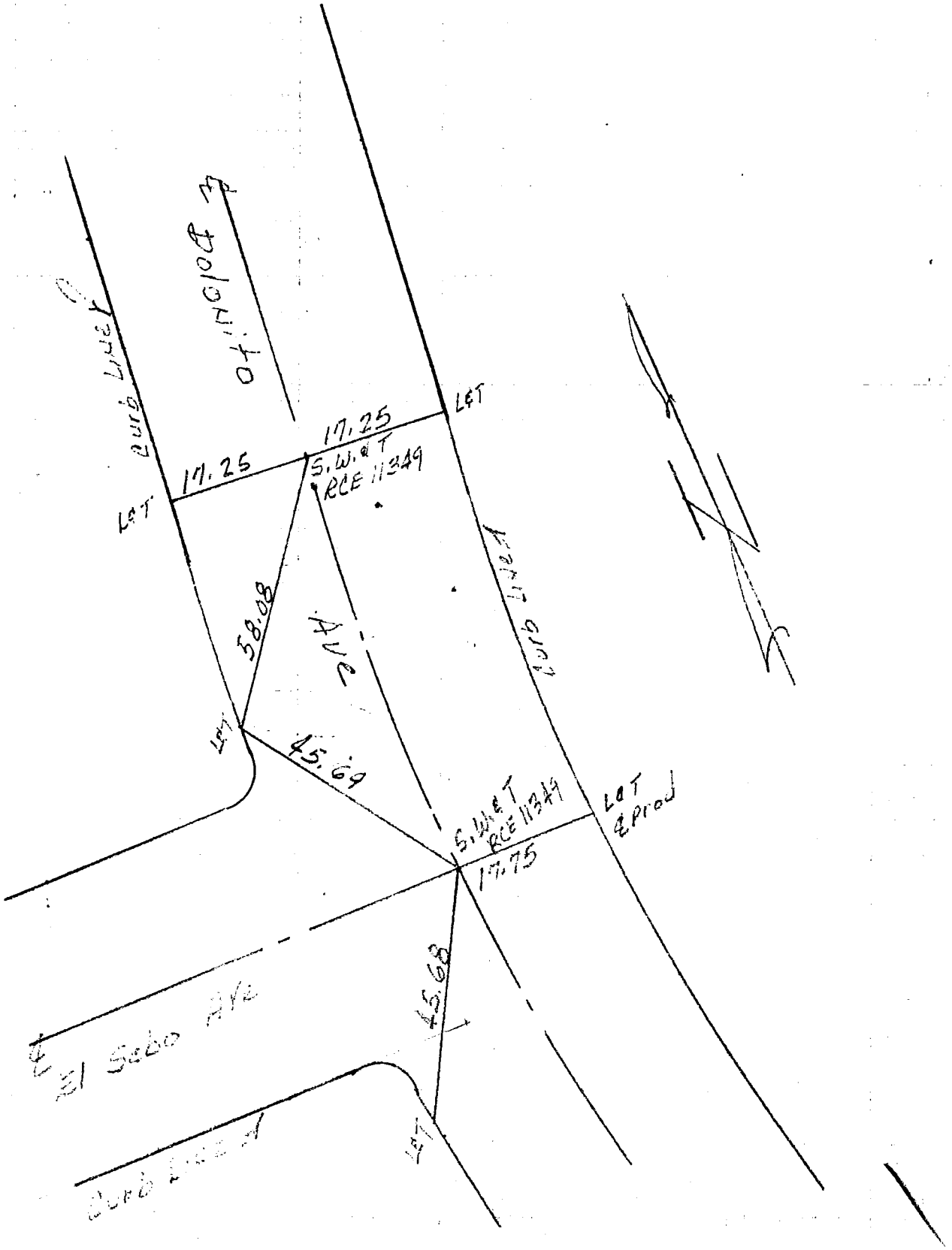
JOB NO

DATE

PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980

W.S. 37E-5



CO ENG FB 3596 - 89

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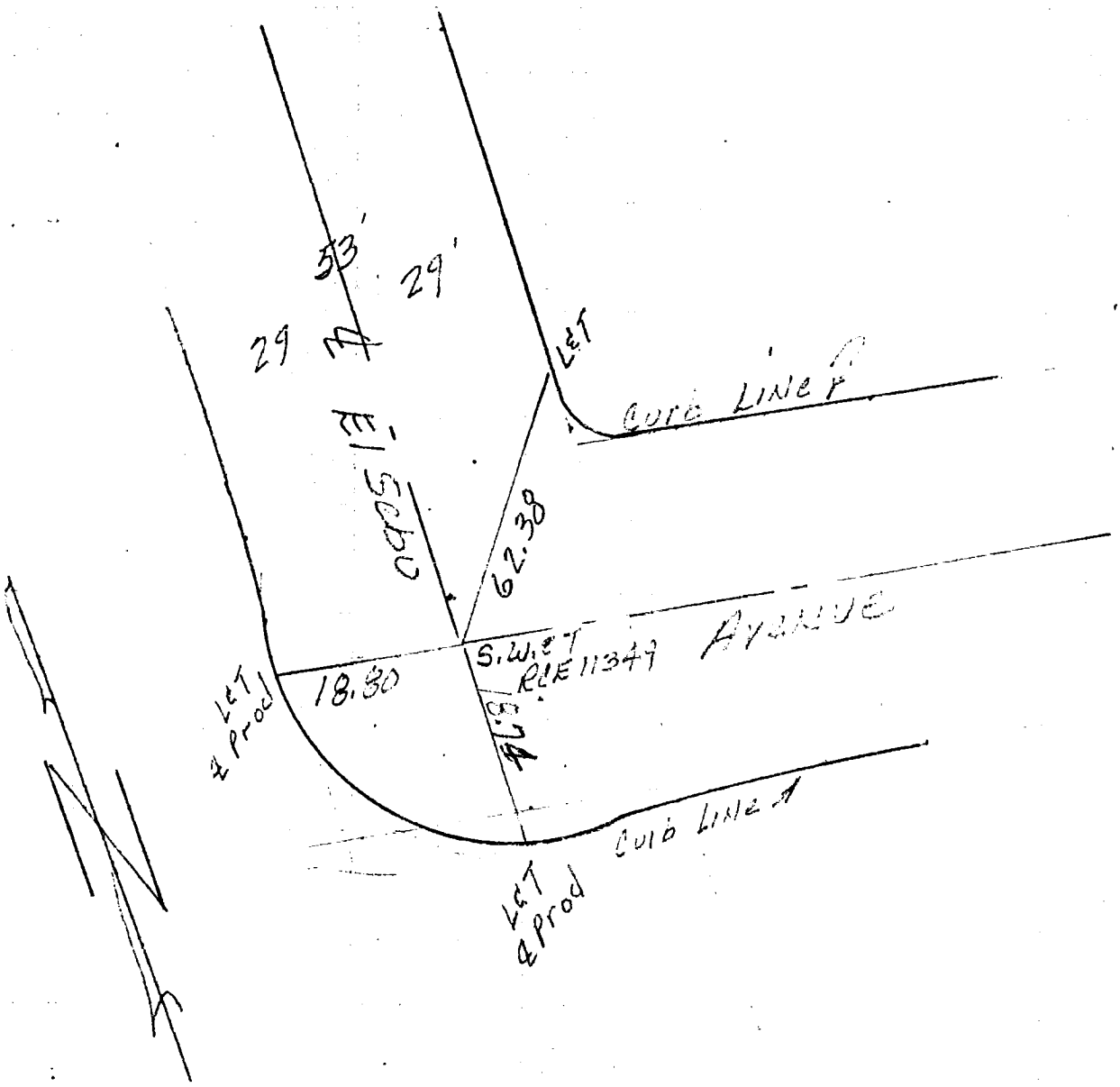
JOB NO.

DATE

PAGE OF

KEMMERER ENGINEERING CO., INC.
6505 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

90

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DATE
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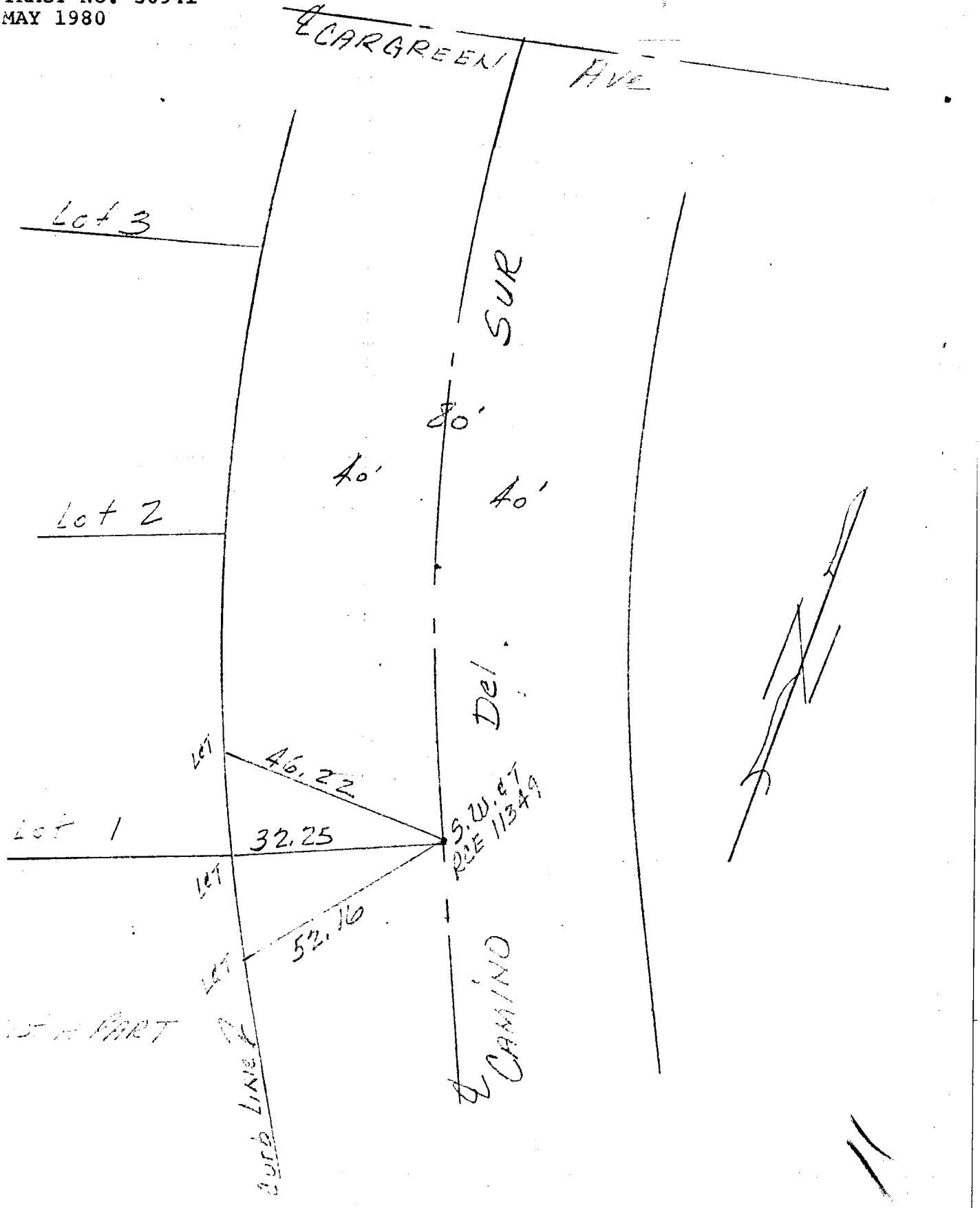
ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



CO ENG FB 3596 - 91

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

91

CREW
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PAGE ___ OF ___

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980

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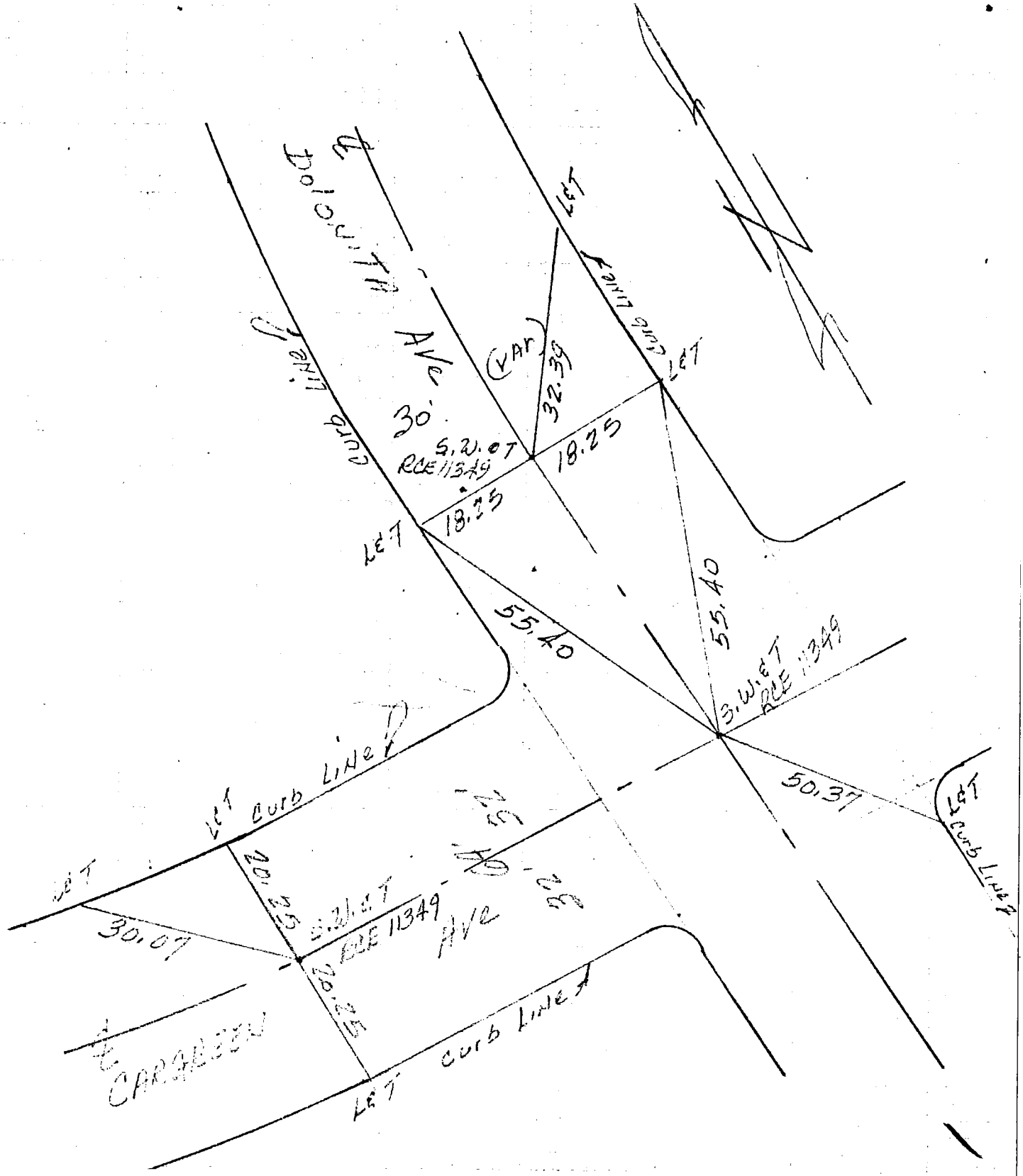

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KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

CREW

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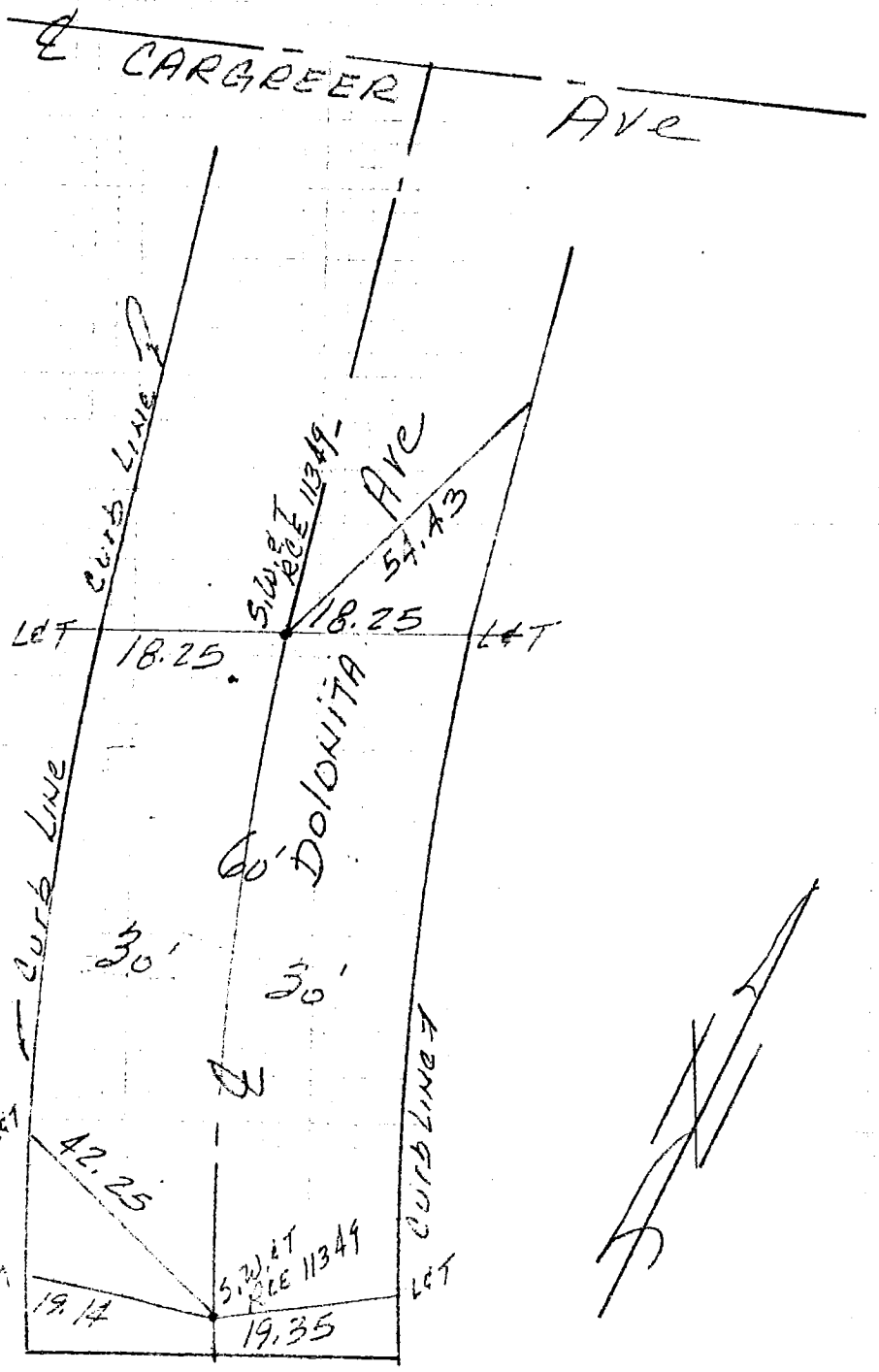
DATE

PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



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93

CO ENG FB 3596 - 93

KEMMERER ENGINEERING CO., INC.
6706 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

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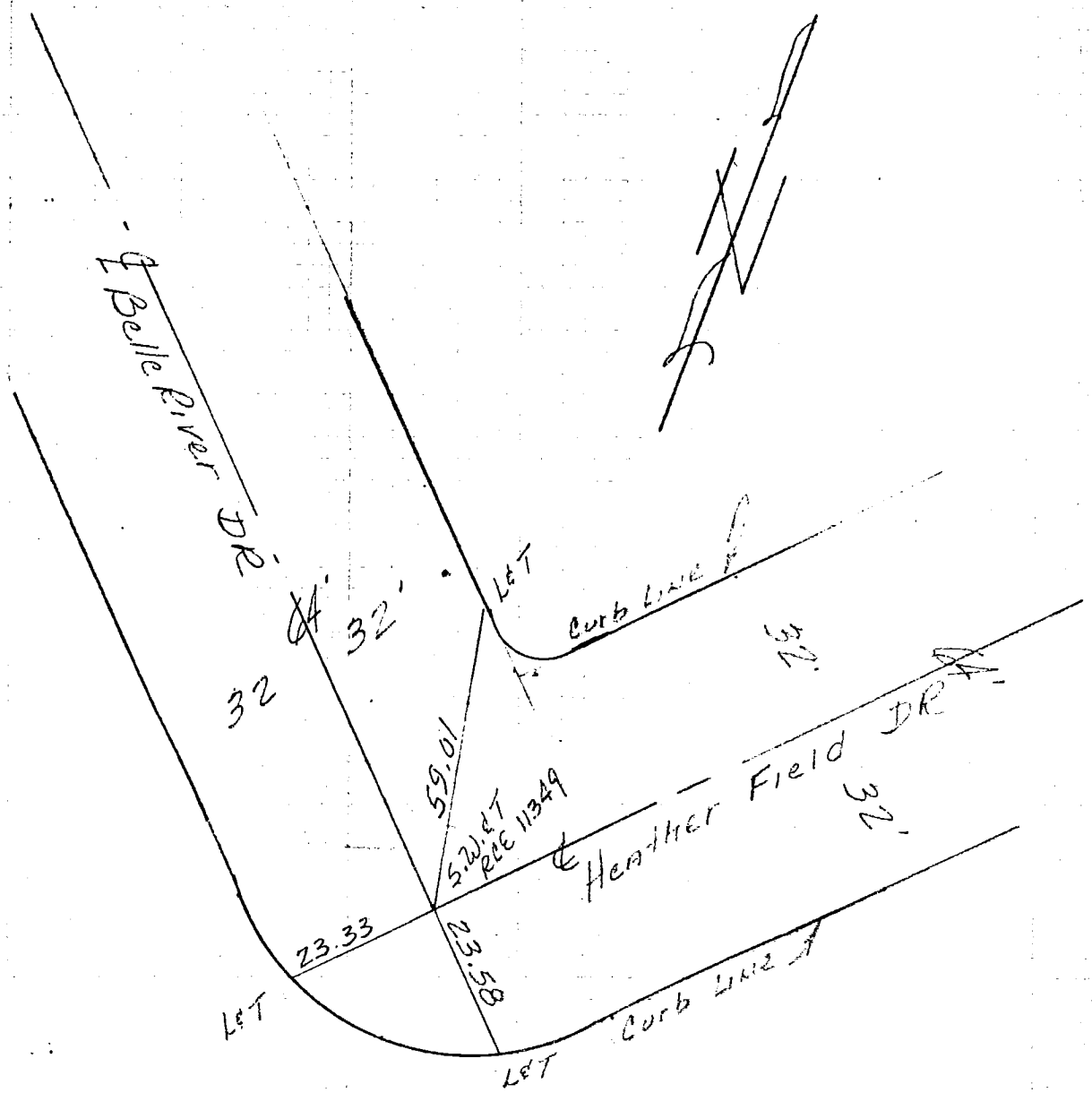
DATE
PAGE ___ OF ___

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980

4537 D-5



CO ENG FB 3596 - 94

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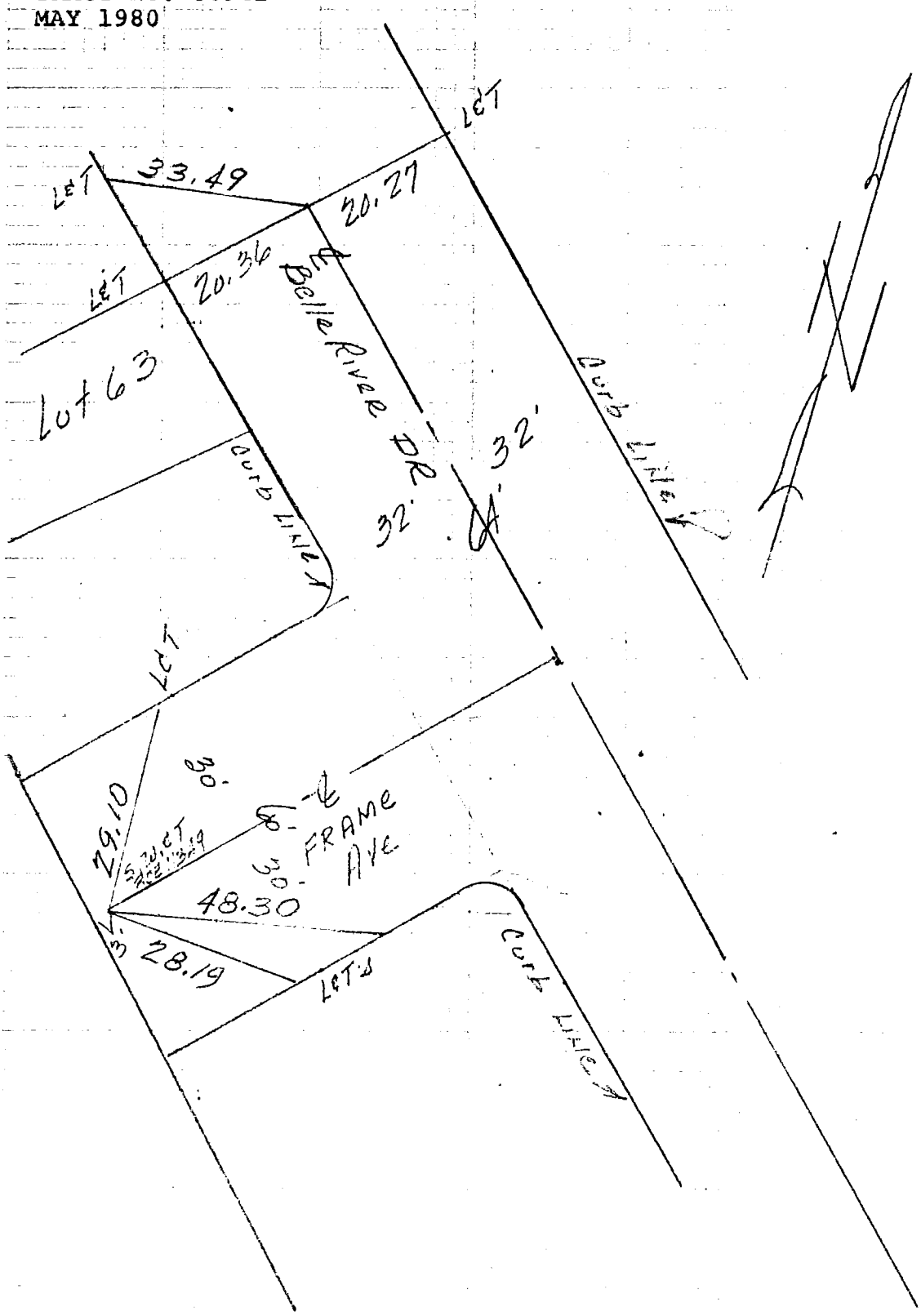
JOB NO

DATE

PAGE ___ OF ___

KEMMERER ENGINEERING CO., INC.
5705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



CO ENG FB 3596 - 95

95

KEMMERER ENGINEERING CO., INC.
8705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

CREW
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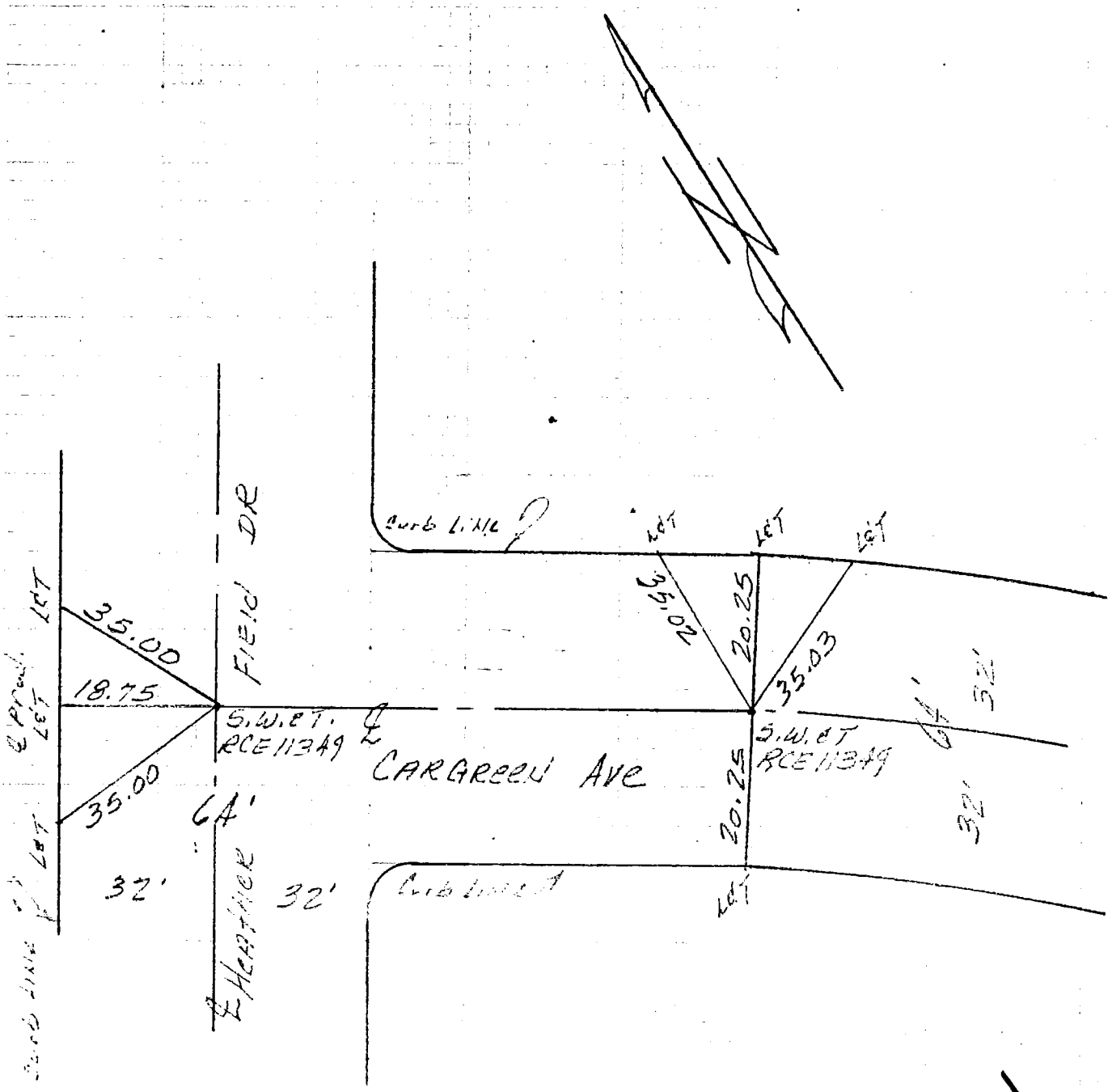
PAGE ___ OF ___

W.S. 3770-S

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



CO ENG FB 3596-96.

96

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

CREW

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DATE

PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980

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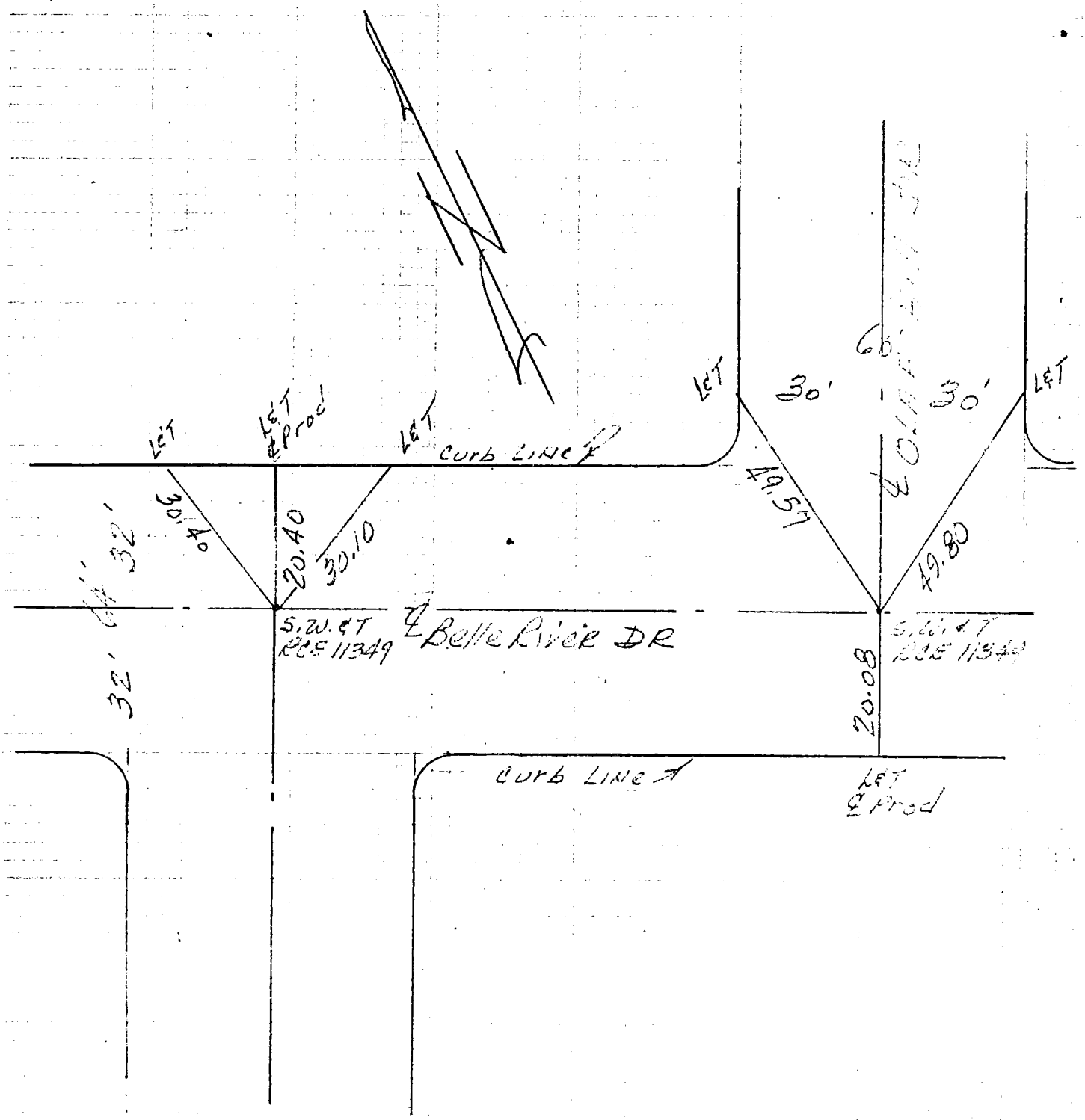

CO ENG FB 3596 - 97

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

97

CREW
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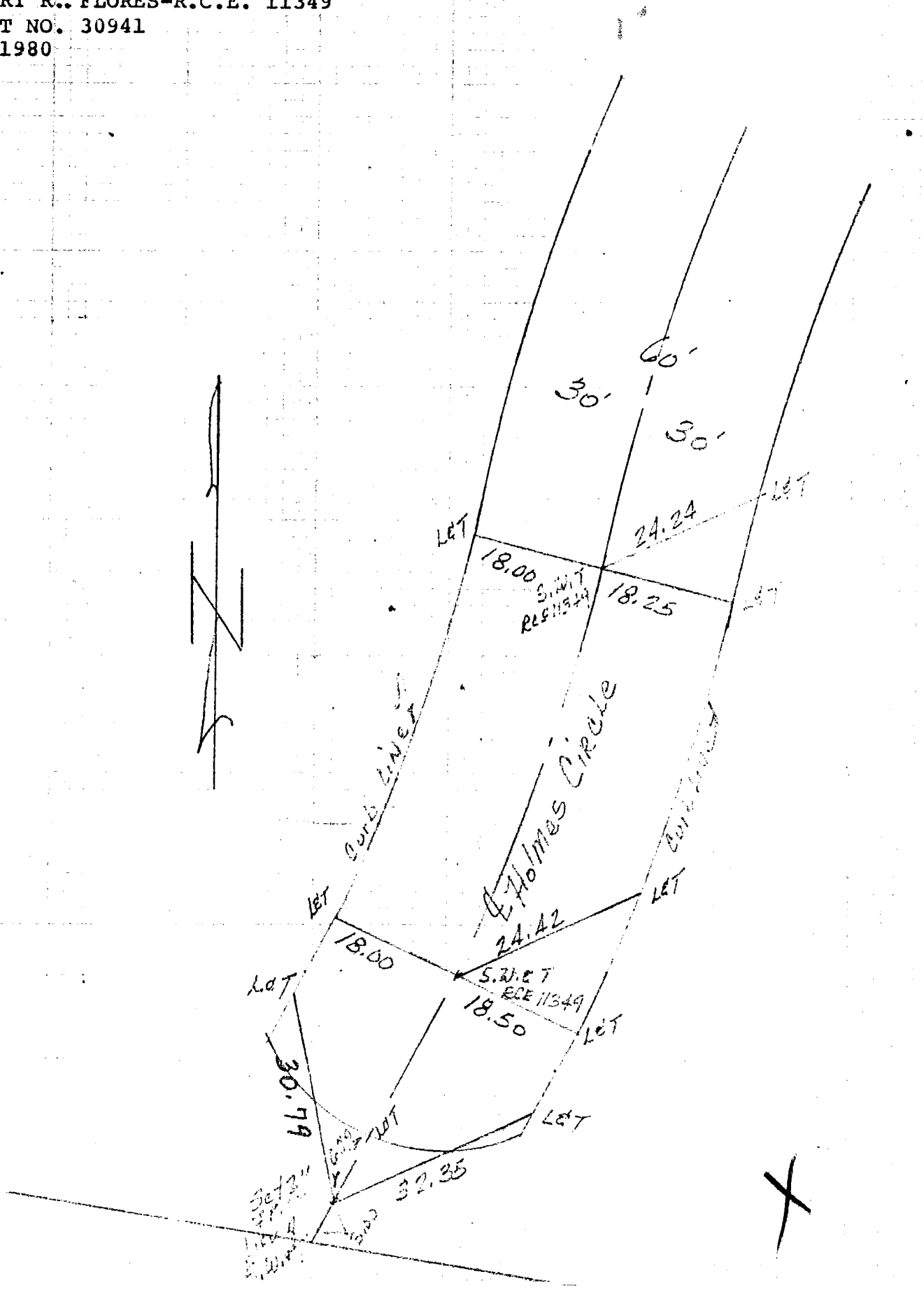
DATE
PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



CO ENG FB 3596 - 98

98

CREW

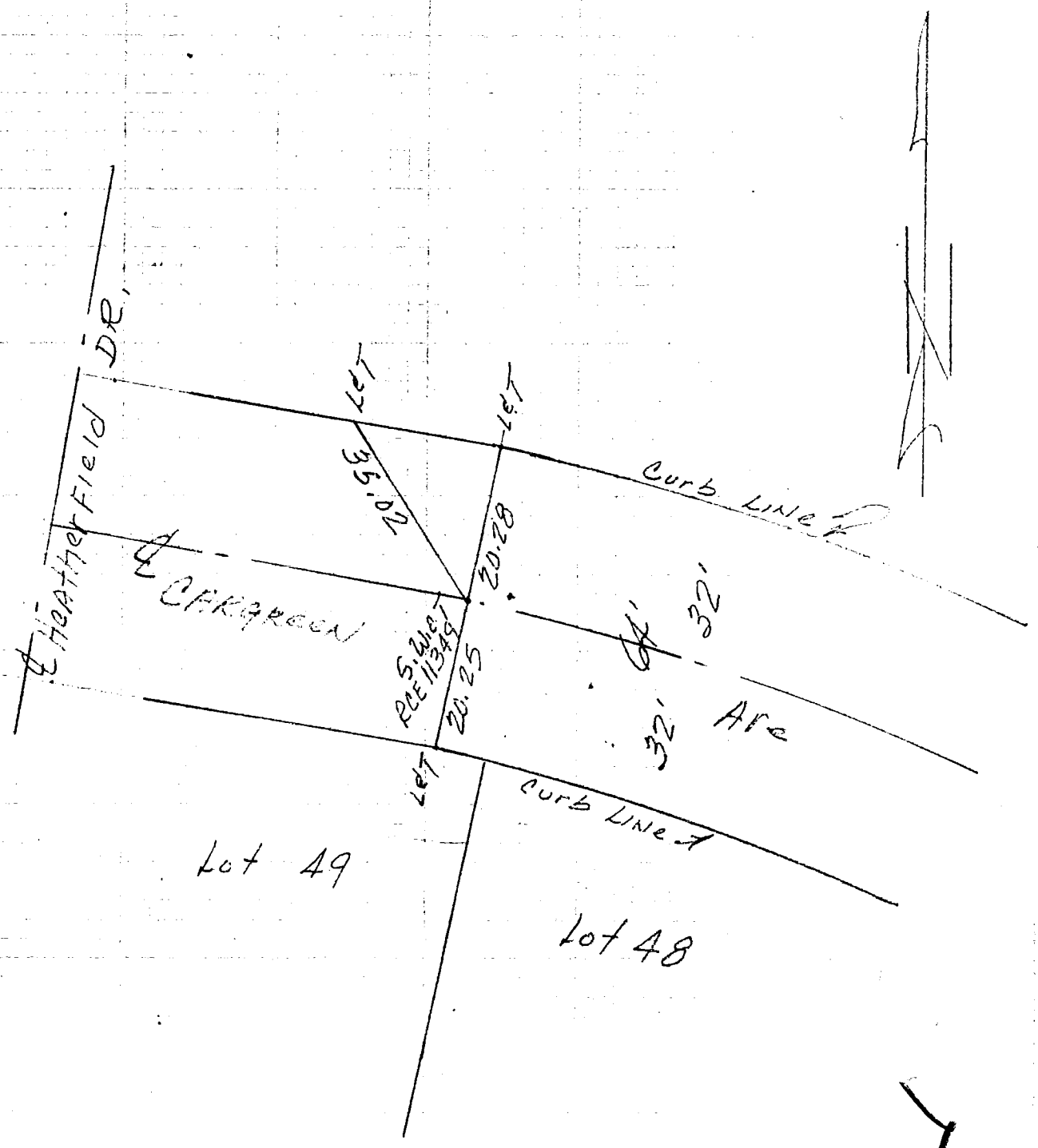
JOB NO

DATE

PAGE OF

KEMMERER ENGINEERING CO., INC.
5705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

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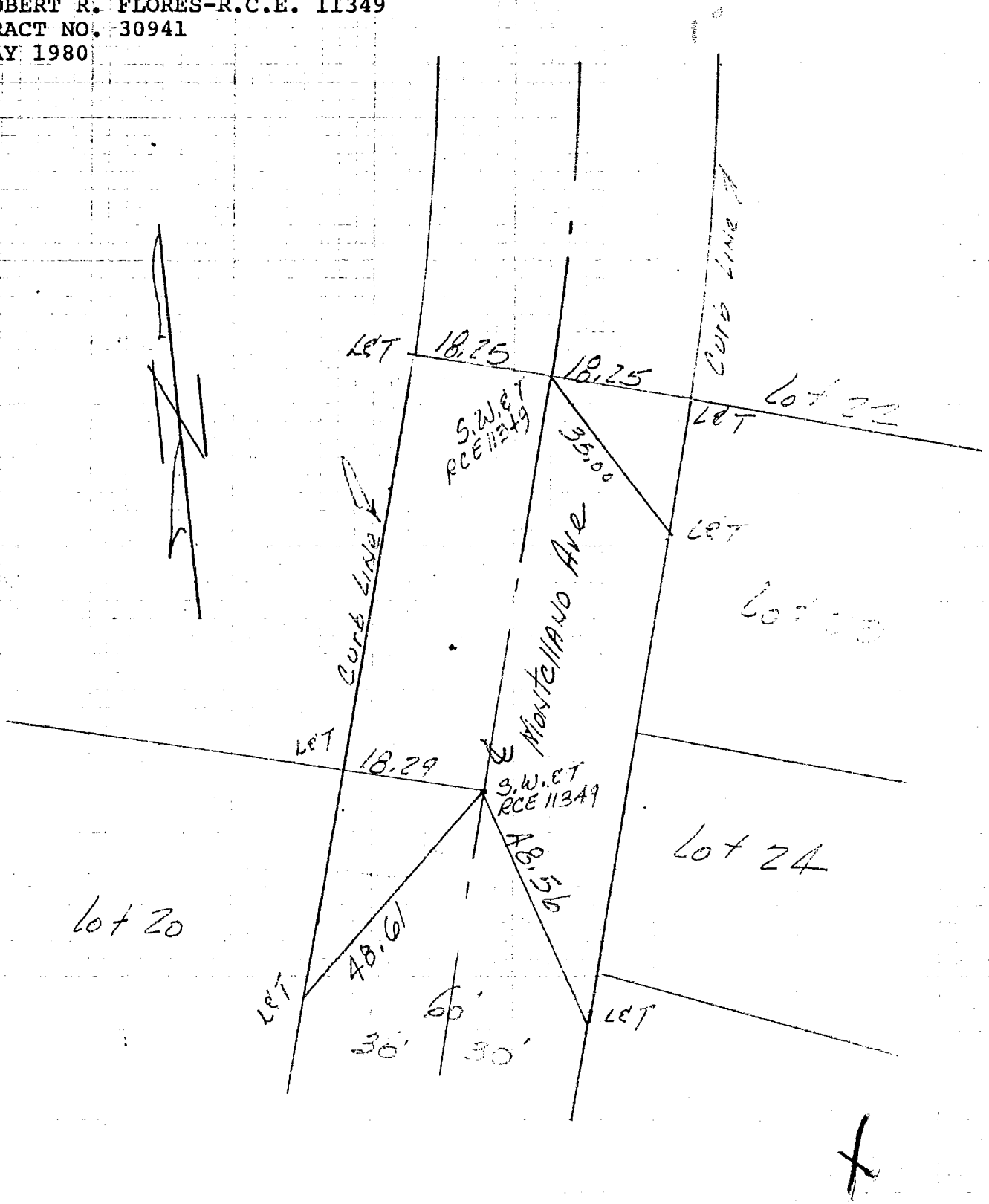
JOB NO

DATE

PAGE OF

CO ENG FB 3596 - 99

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980



CO ENG FB 3596 - 100

KEMMERER ENGINEERING CO., INC.
6705 SOUTH PAINTER
WHITTIER, CALIFORNIA 90601

100

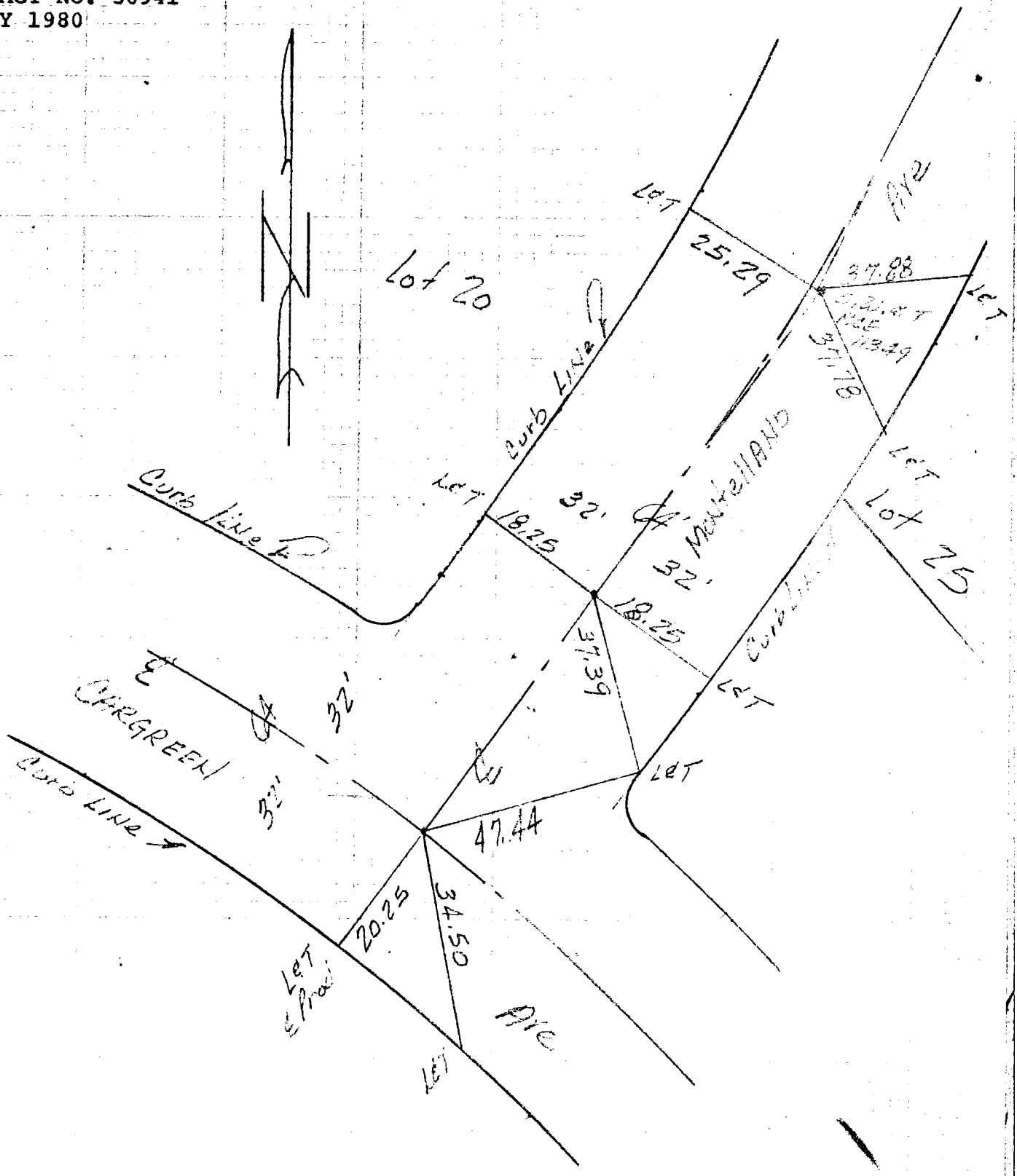
CREW

JOB NO

DATE

PAGE OF

ROBERT R. FLORES-R.C.E. 11349
TRACT NO. 30941
MAY 1980

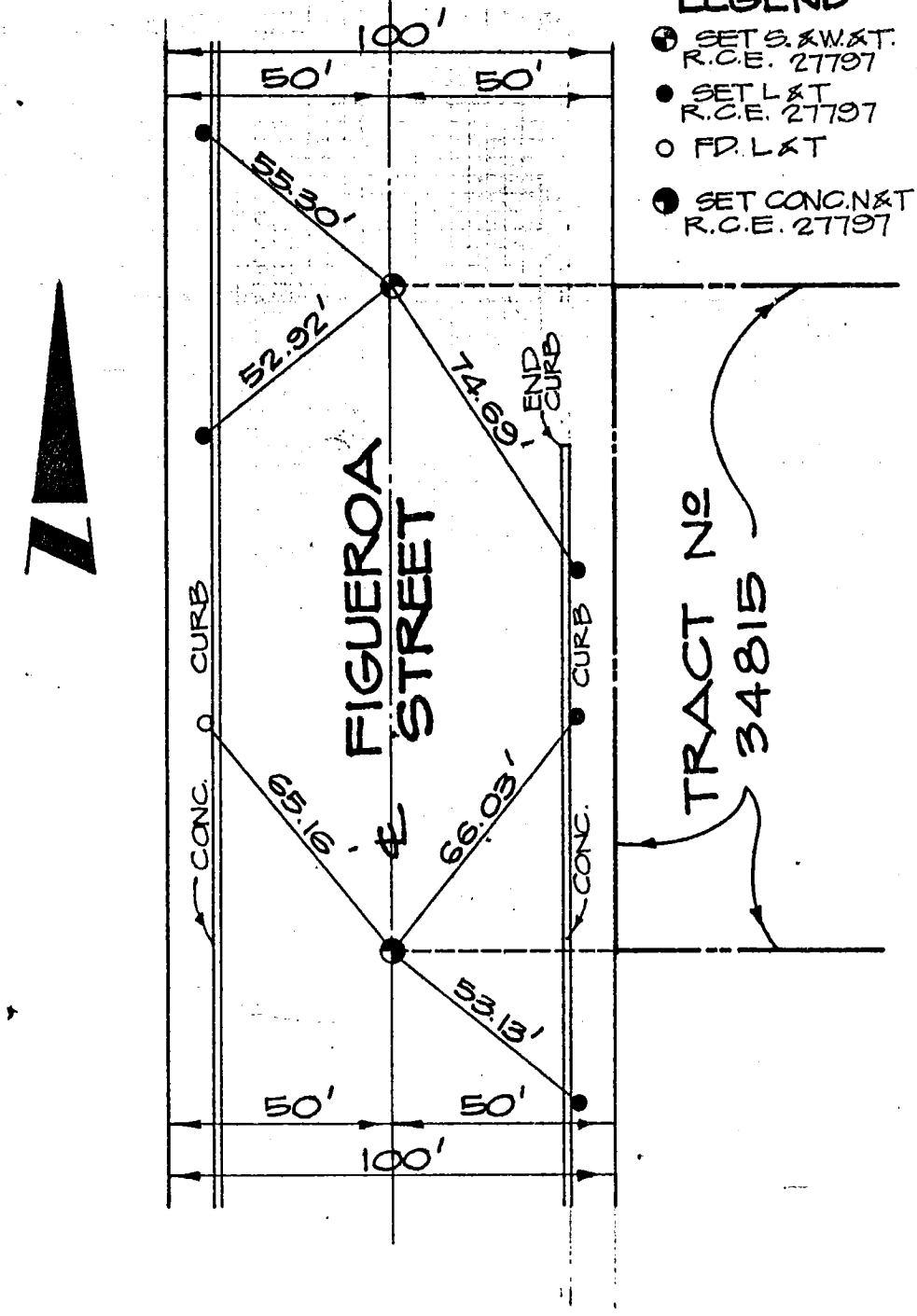


W.S. 28B-1

SURVEY OF CENTERLINE TIES F B NO. PAGE

SURVEY BY DARRYL E. DALCIN TRACT NO. 34815

DATE MAY 19, 1980 R.C.E. 27797



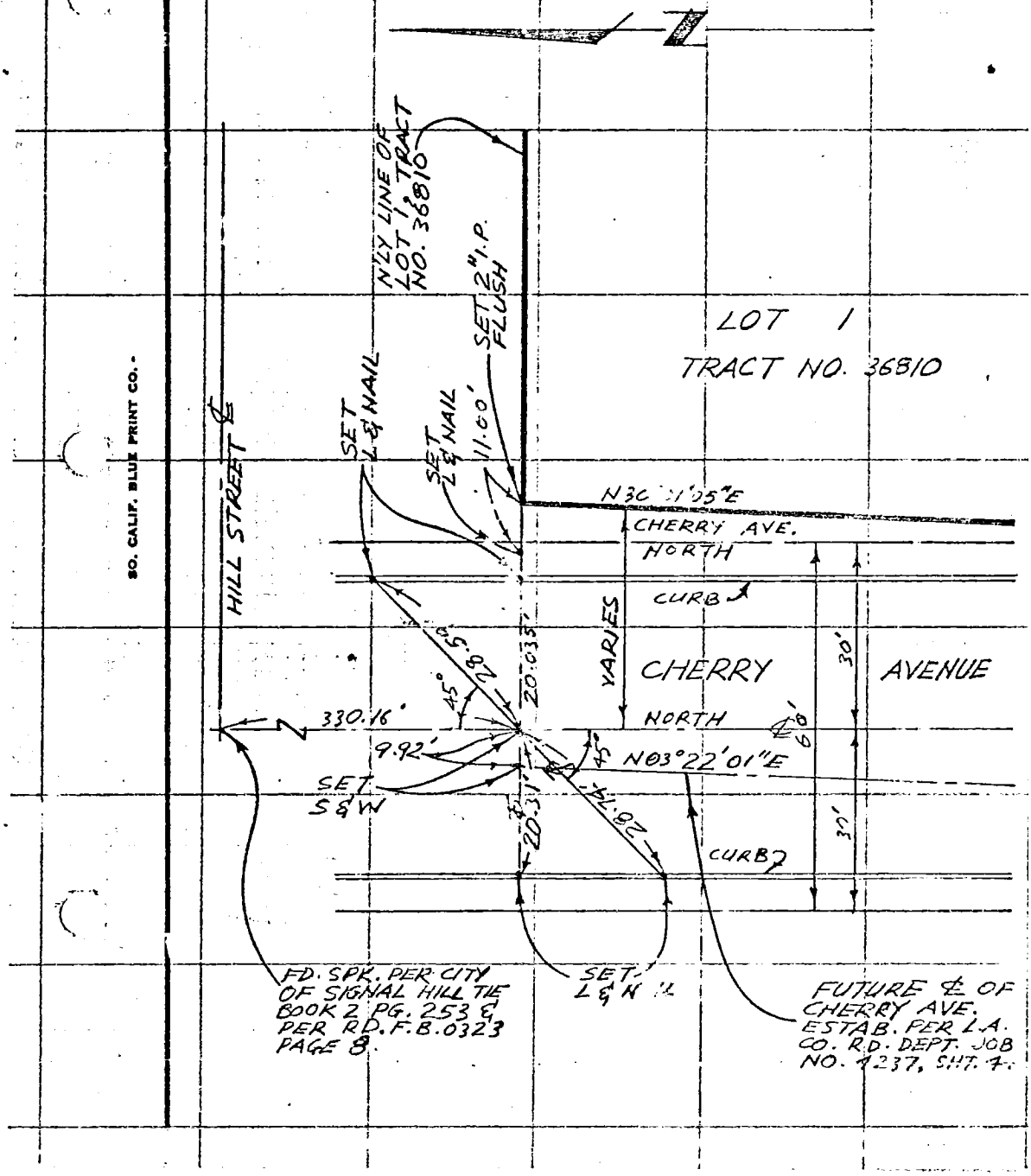
SURVEYORS SERVICE COMPANY, COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

SURVEY OF CHERRY AVENUE F. B. Pg.

SURVEY BY ATANAS STERYO R.C.E. 23221 TR. NO. 36810

DATE MAY, 1980 SHEET 1 OF 3 SHEETS



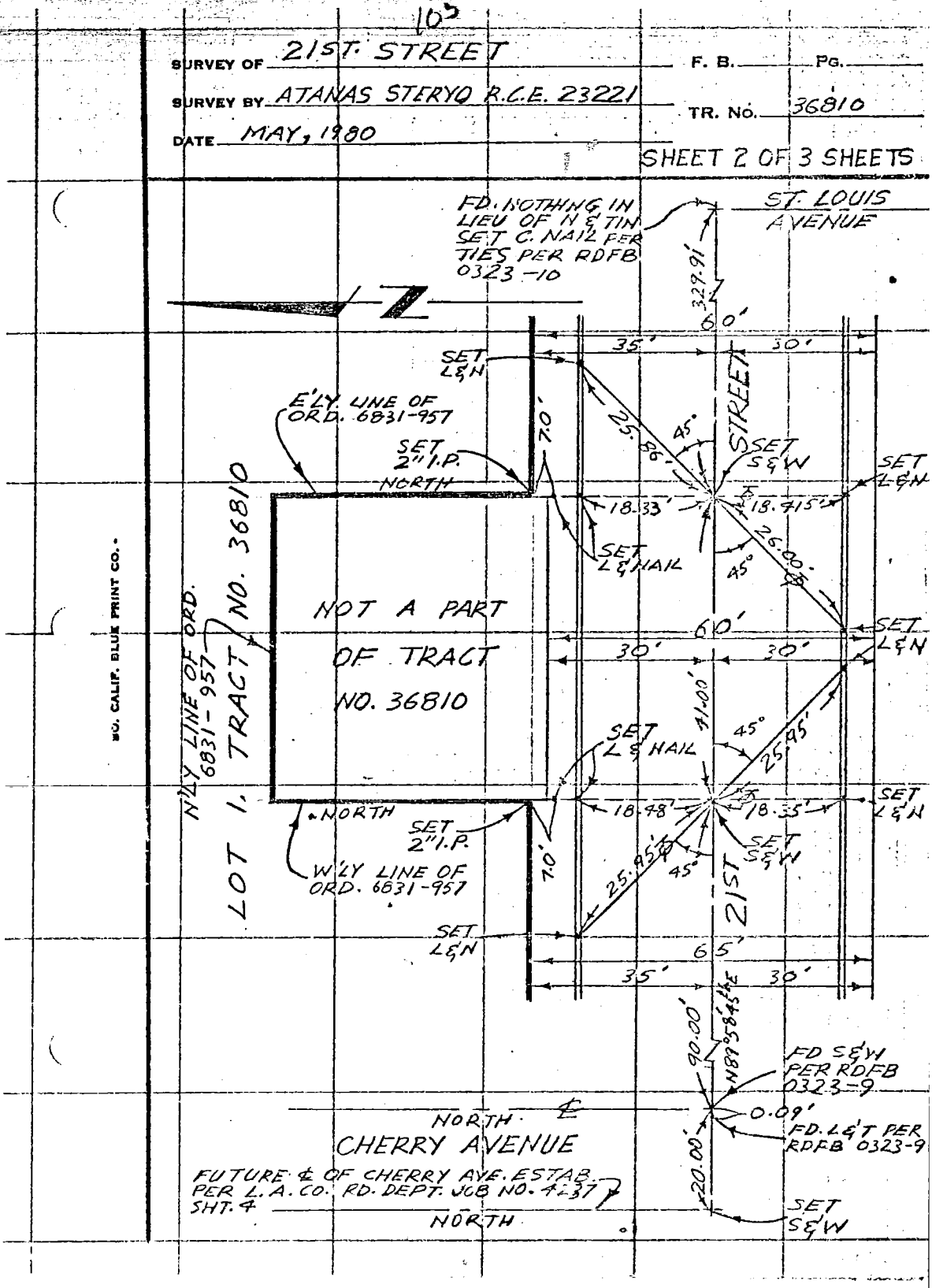
103

SURVEY OF 21ST. STREET F. B. Pg.

SURVEY BY ATANAS STERYO R.C.E. 23221 TR. No. 36810

DATE MAY, 1980 SHEET 2 OF 3 SHEETS

V S 30 D-4



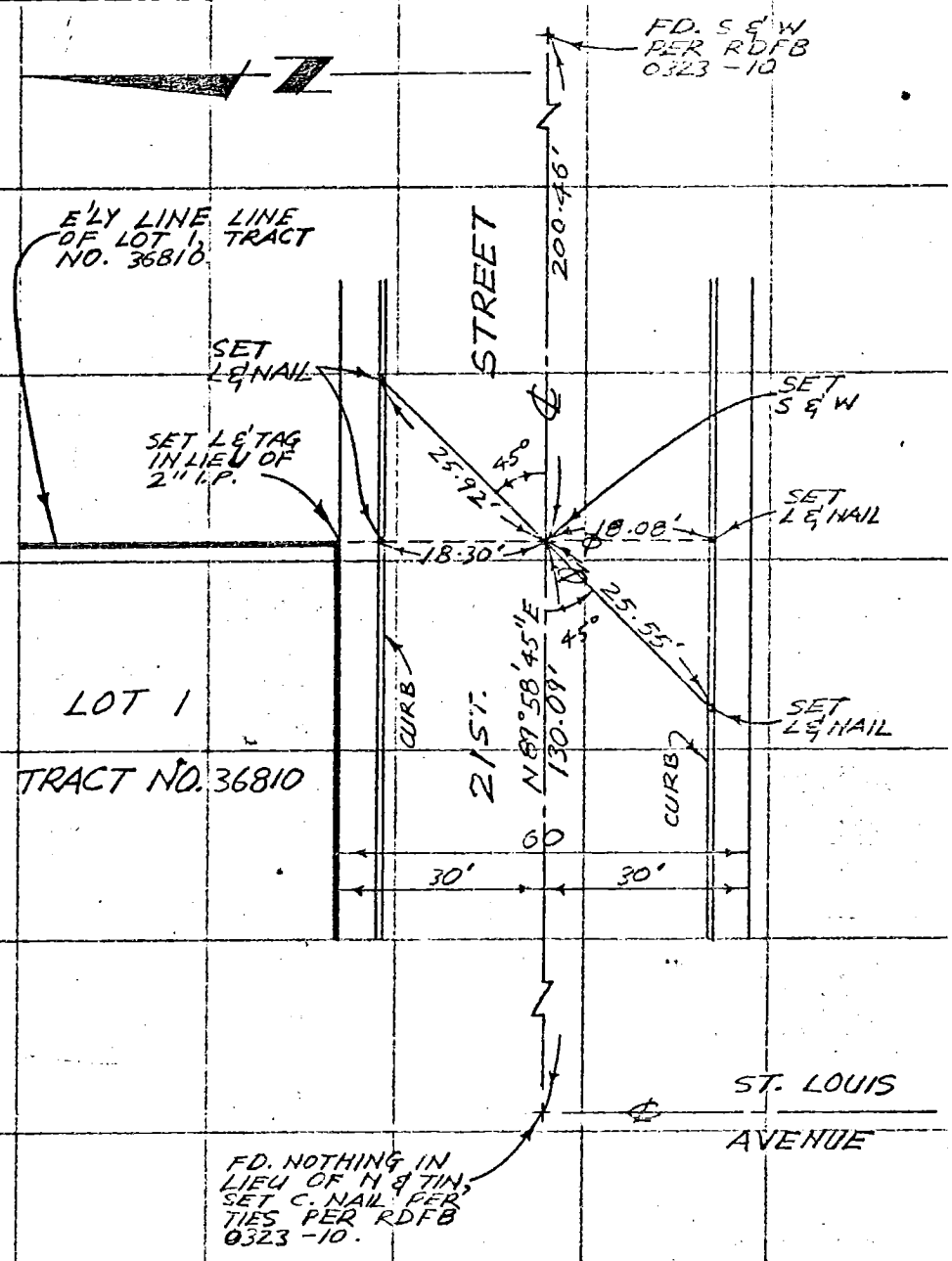
CO. CALIF. BLUE PRINT CO.

SURVEY OF 21ST. STREET F. B. ____ PG. ____

SURVEY BY ATANAS STERYO R.C.E. 23221 TR. NO. 36810

DATE MAY, 1980

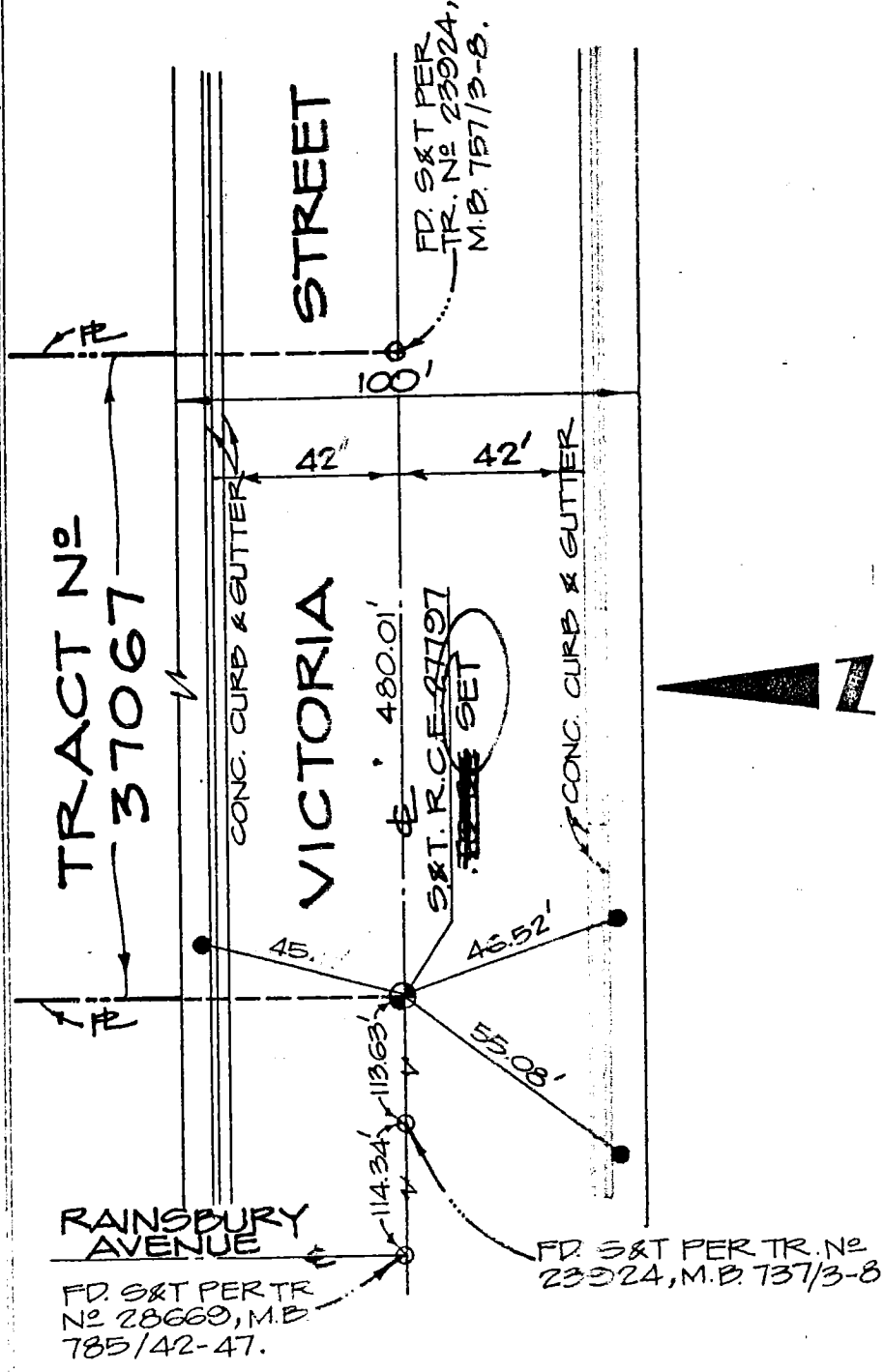
SHEET 3 OF 3 SHEETS



SO. CALIF. BLUE PRINT CO.

105

SURVEY OF FINAL MONUMENTATION F B NO. PAGE
SURVEY BY DARRYL E. DALCIN TRACT NO. 37067
DATE 5/16/1980 RCE. 27797



SURVEYOR'S SERVICE COMPANY, COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

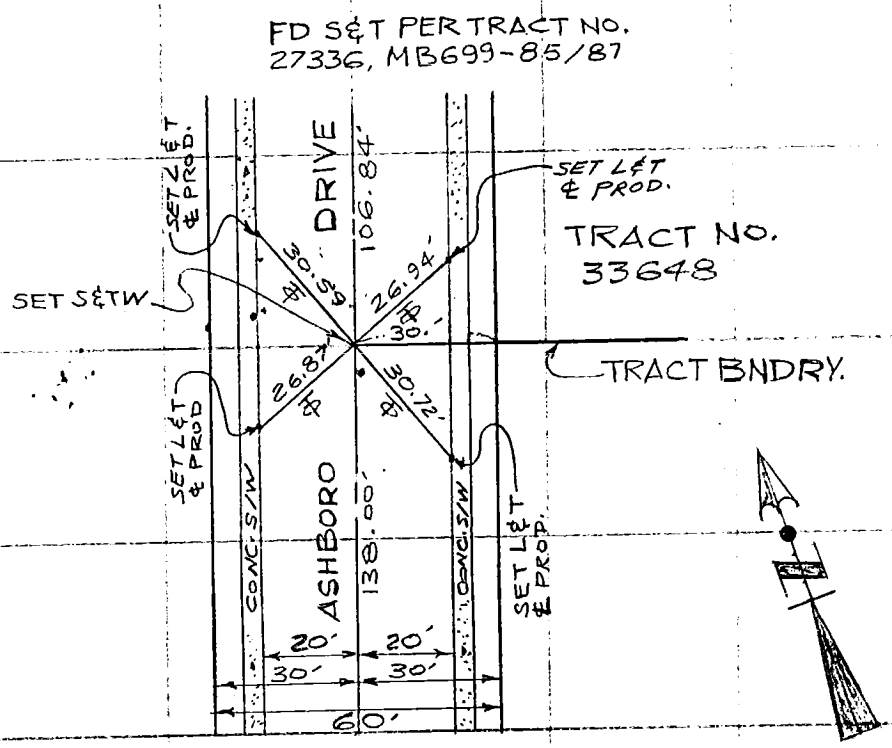
WS 26 CS

106 CO ENG FB 3596 - 106

SURVEY OF CENTER LINE TIES F. B. ____ PG. ____

SURVEY BY BOYD BEASTROM & ASSOCIATES TR. No. 33648

DATE DEC. 12 - 1979



SO. CALIF. BLUE PRINT CO. -

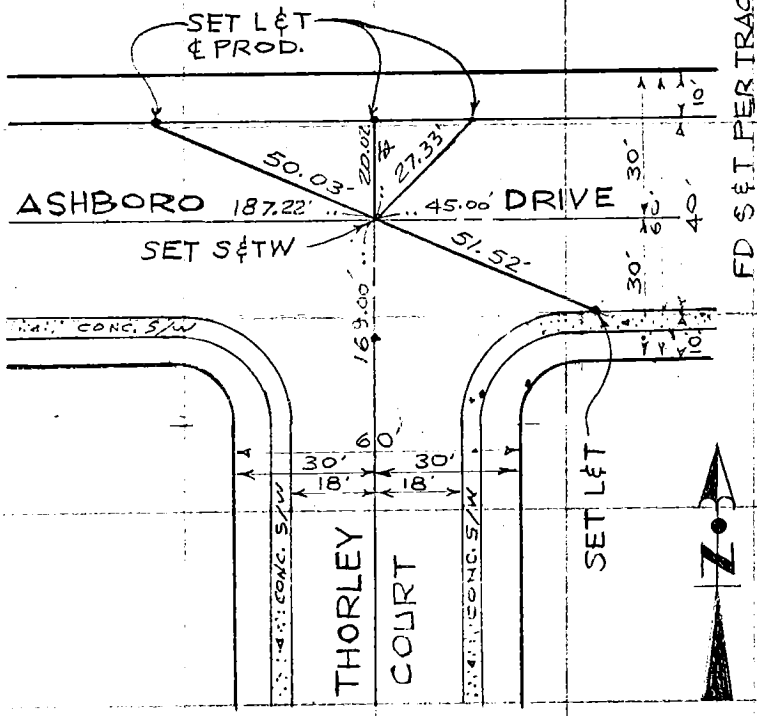
264-137 A-2

107 CO ENG FB 3596 - 107

SURVEY OF CENTER LINE TIES F. B. ____ PG. 2

SURVEY BY BOYD BEASTROM & ASSOCIATES TR. No. 33648

DATE DEC. 12-1979



SEE SHEET NO. 3

SO. CALIF. BLUE PRINT CO.

264-137, A-2

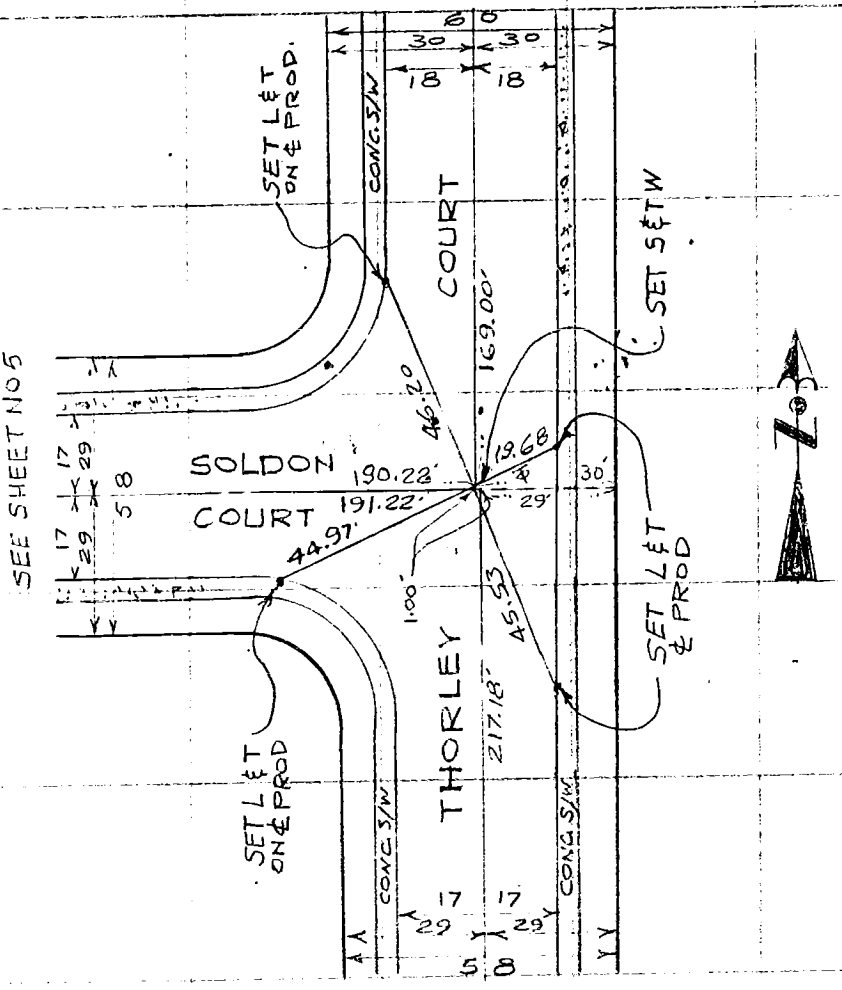
108 CO ENG FB 3596 - 108

SURVEY OF CENTER LINE TIES F. B. ____ PG. 3

SURVEY BY BOYD BEASTROM & ASSOCIATES TR. No. 33648

DATE DEC. 12-1979

SEE SHEET NO. 2



SEE SHEET NO. 4

SO. CALIF. BLUE PRINT CO. -

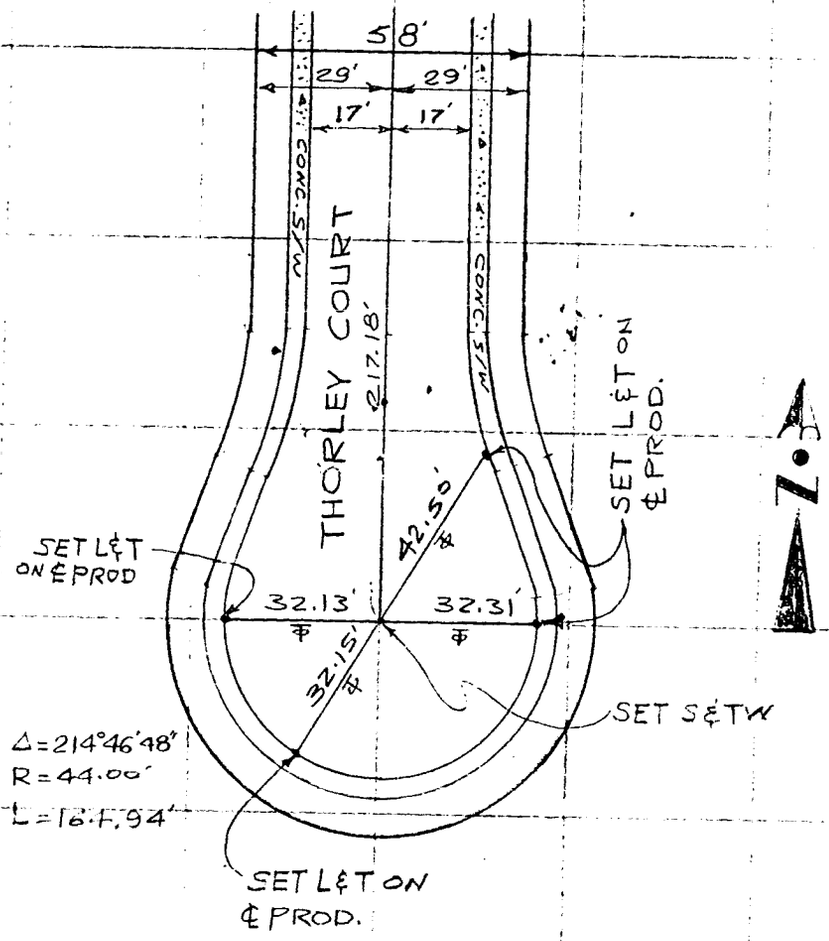
ICG CO ENG FB 3596 - 109

SURVEY OF CENTER LINE TIES F. B. ____ PG. 4

SURVEY BY BOYD BEASTROM & ASSOCIATES TR. No. 33648

DATE DEC, 12-1979

SEE SHEET No 3



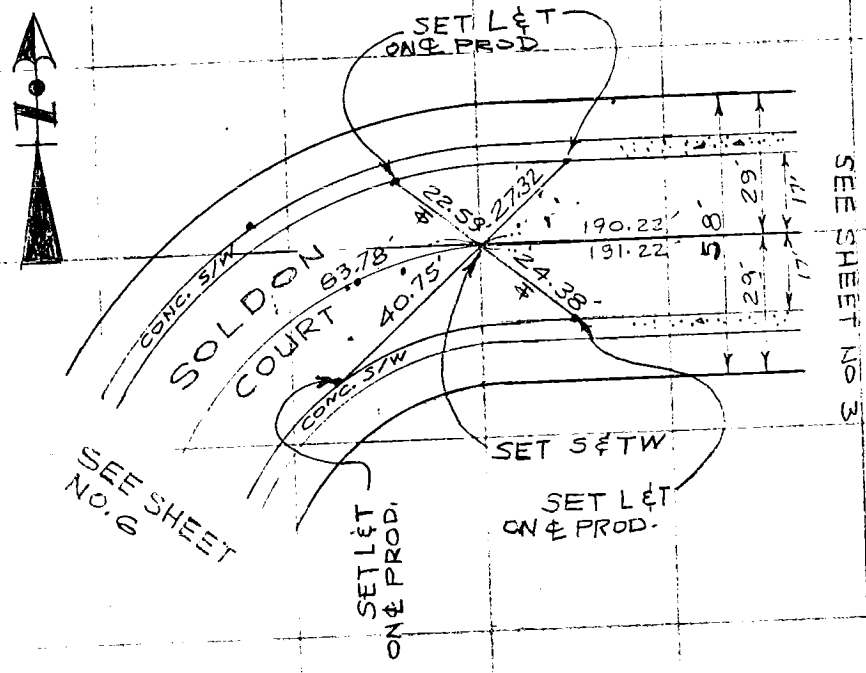
SO. CALIF. BLUE PRINT CO.

110 CO ENG FB 3596 - 110

SURVEY OF CENTER LINE TIES F. B. PG. 5

SURVEY BY BOYD BEASTROM & ASSOCIATES TR. No. 33648

DATE DEC. 12-1979



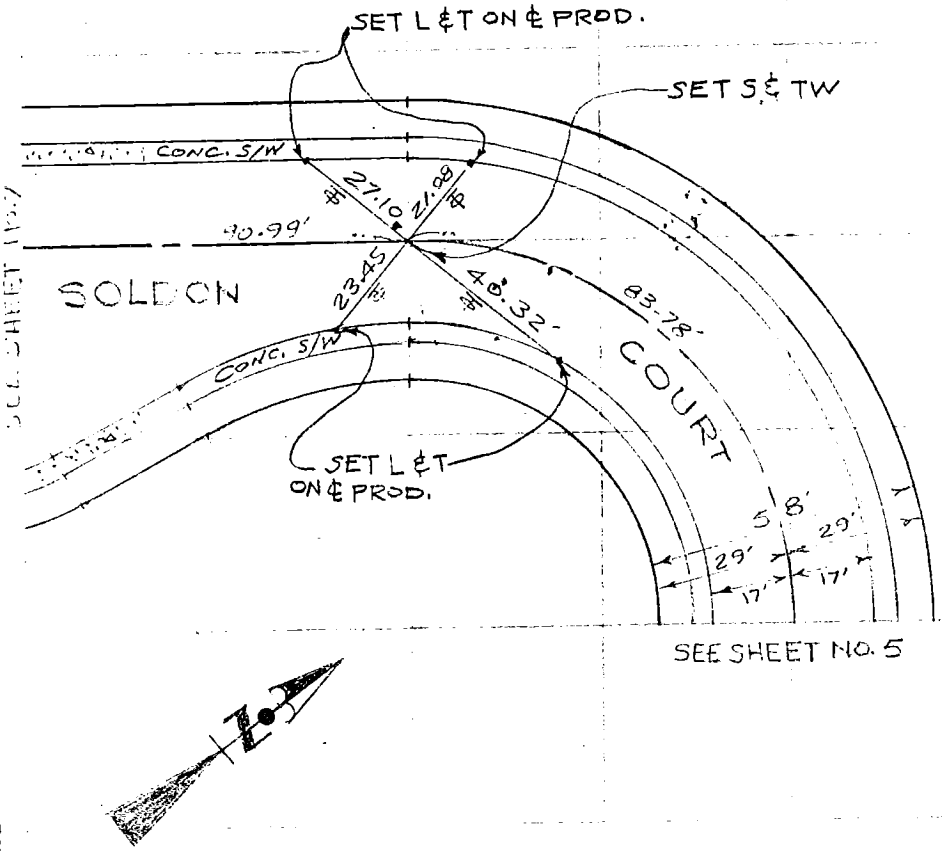
SO. CALIF. BLUE PRINT CO.

CO ENG FE 3596 - 111

SURVEY OF CENTER LINE TIES F. B. ____ PG. 6

SURVEY BY BOYD BEASTROM & ASSOCIATES TR. No. 33648

DATE DEC. 12-1979



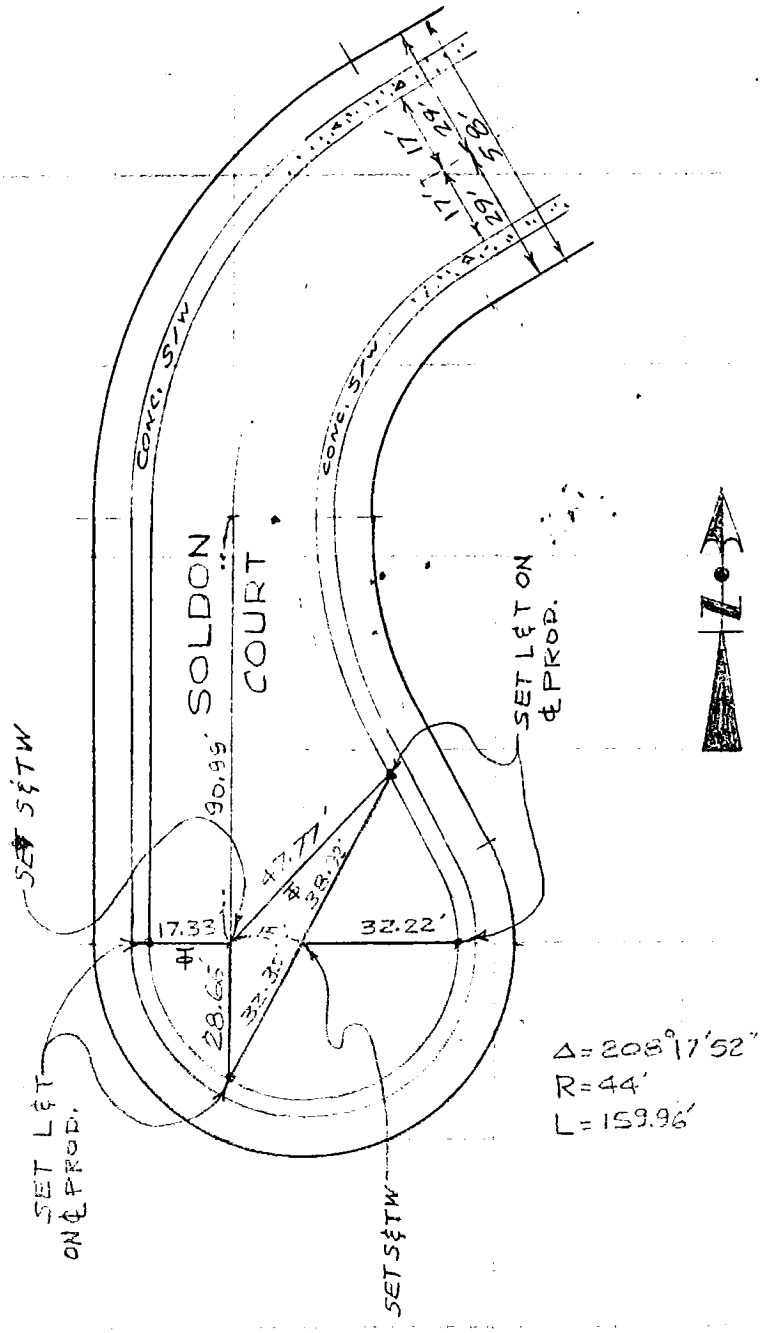
SO. CALIF. BLUE PRINT CO. -

1/2 CO ENG FB 3596 - 112

SURVEY OF CENTER LINE TIES F. B. ____ PG. 7

SURVEY BY BOYD BEASTROM & ASSOCATES TR. No. 33643

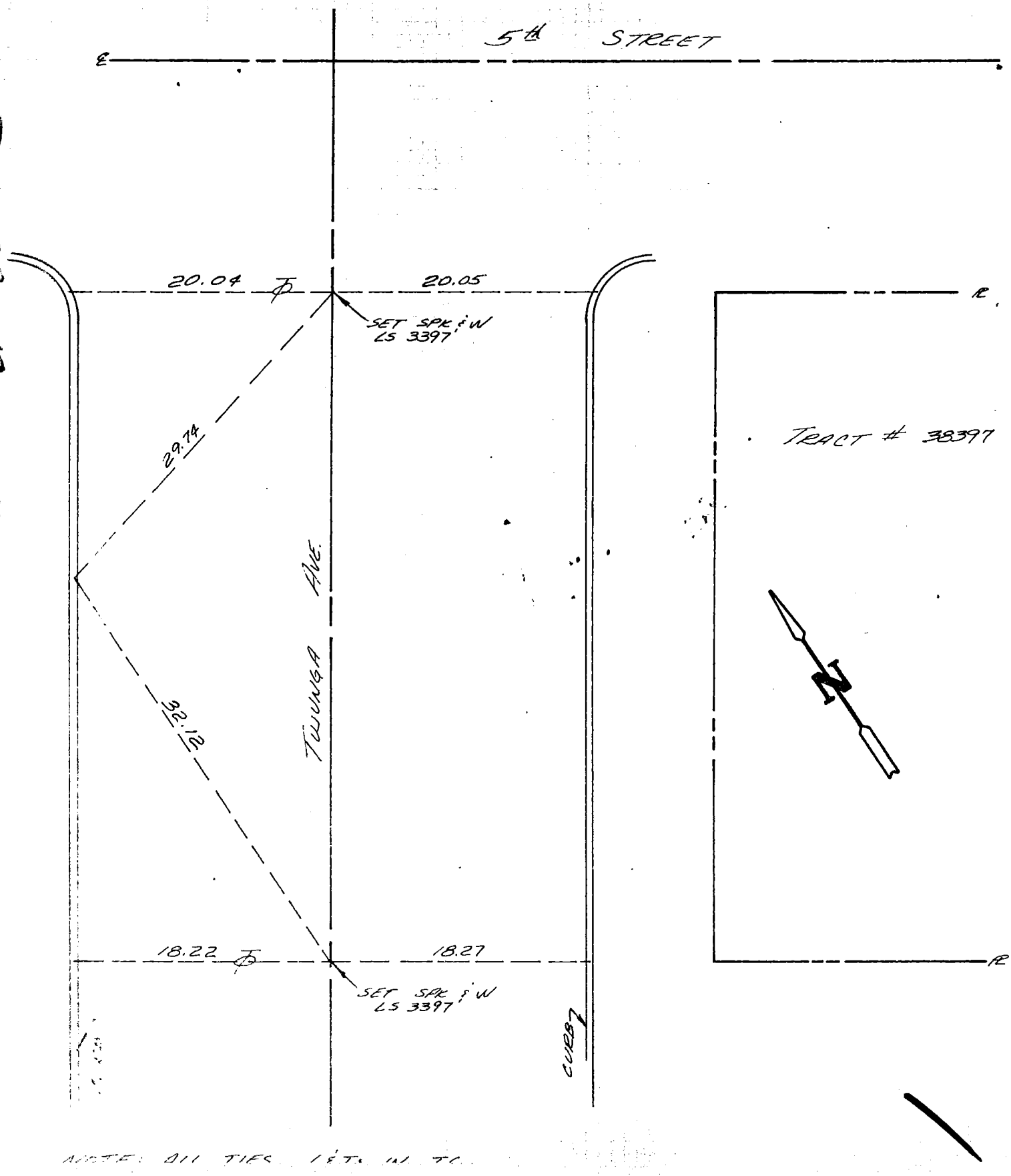
DATE DEC. 12-1979



SO. CALIF. BLUE PRINT CO.

113

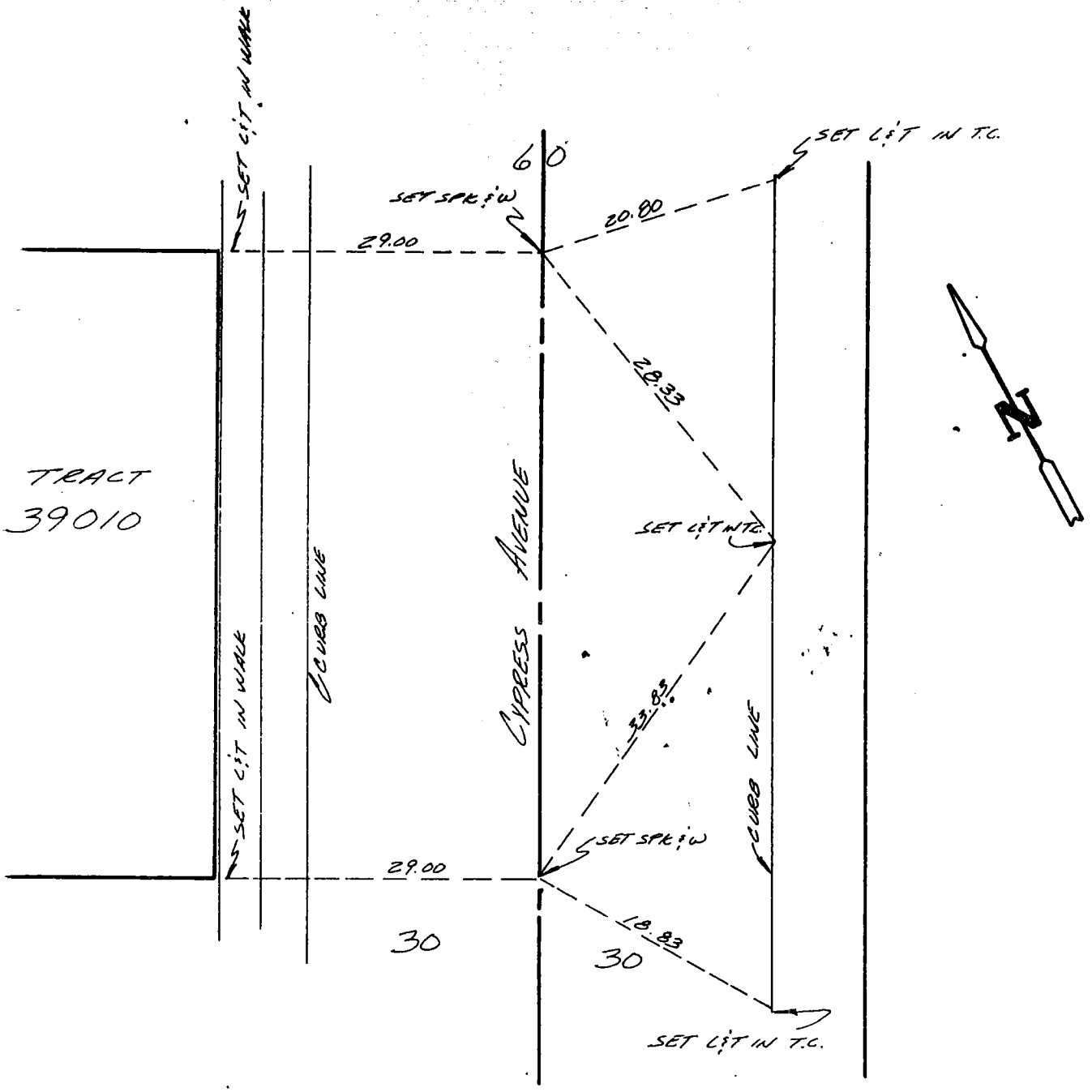
TIES TRACT # 38397
APRIL 18, 1980
LOUIS ZEHFUSS
L.S. 3397



NOTE: ALL TIES ARE TO ℄

SURVEYED BY: LOUIS ZEHFUSS SURVEYORS
CS 3397
& TIES TRACT 39010

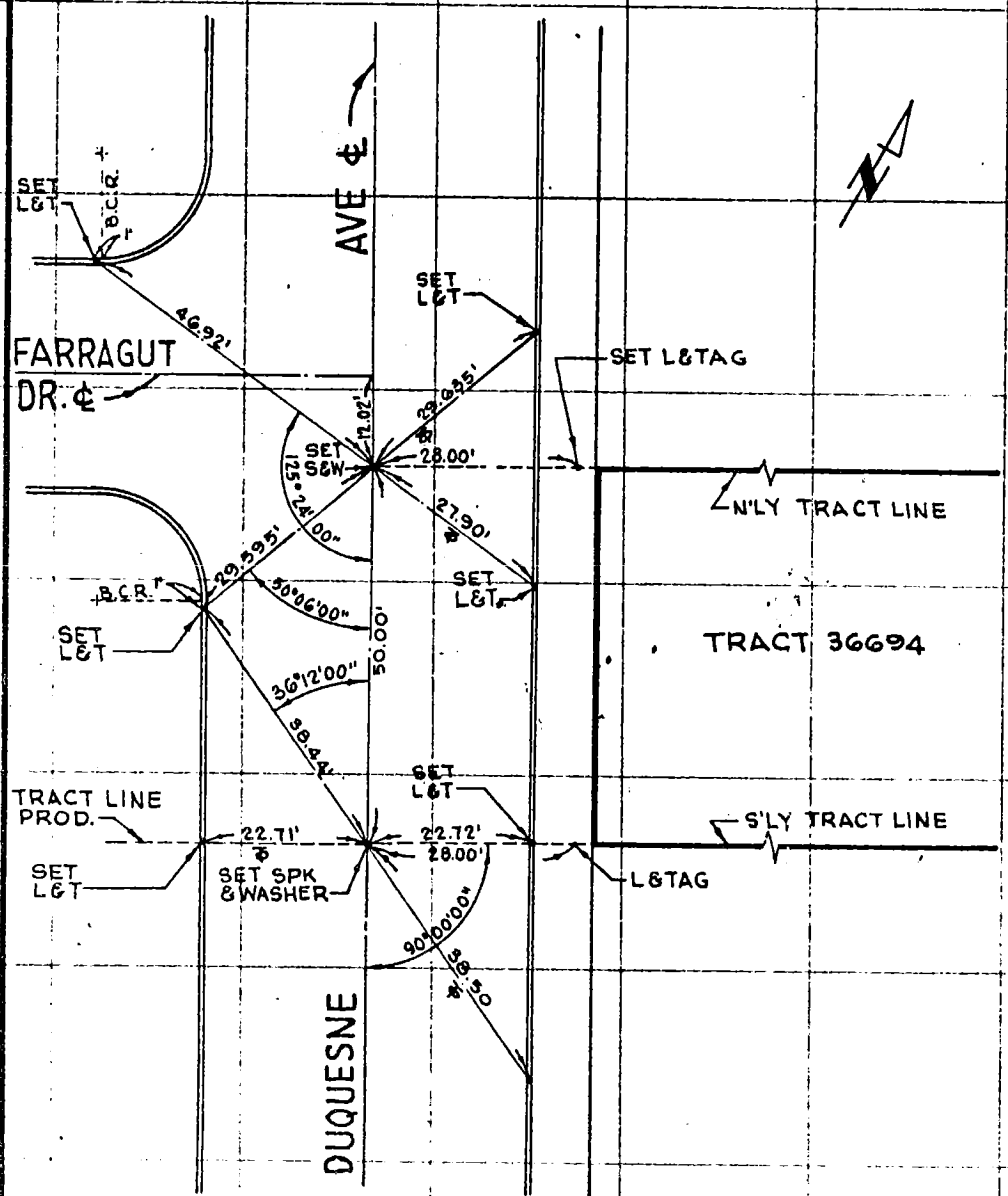
MAY 13, 1980



SURVEY OF CENTERLINE MONUMENT TIES F. B. _____ PG. 1

SURVEY BY BAUGHMAN, SHREENAN & ASSOC. INC. R.C.E. 19341 TR. No. 36694

DATE 4-8-80



W.S. 23 D

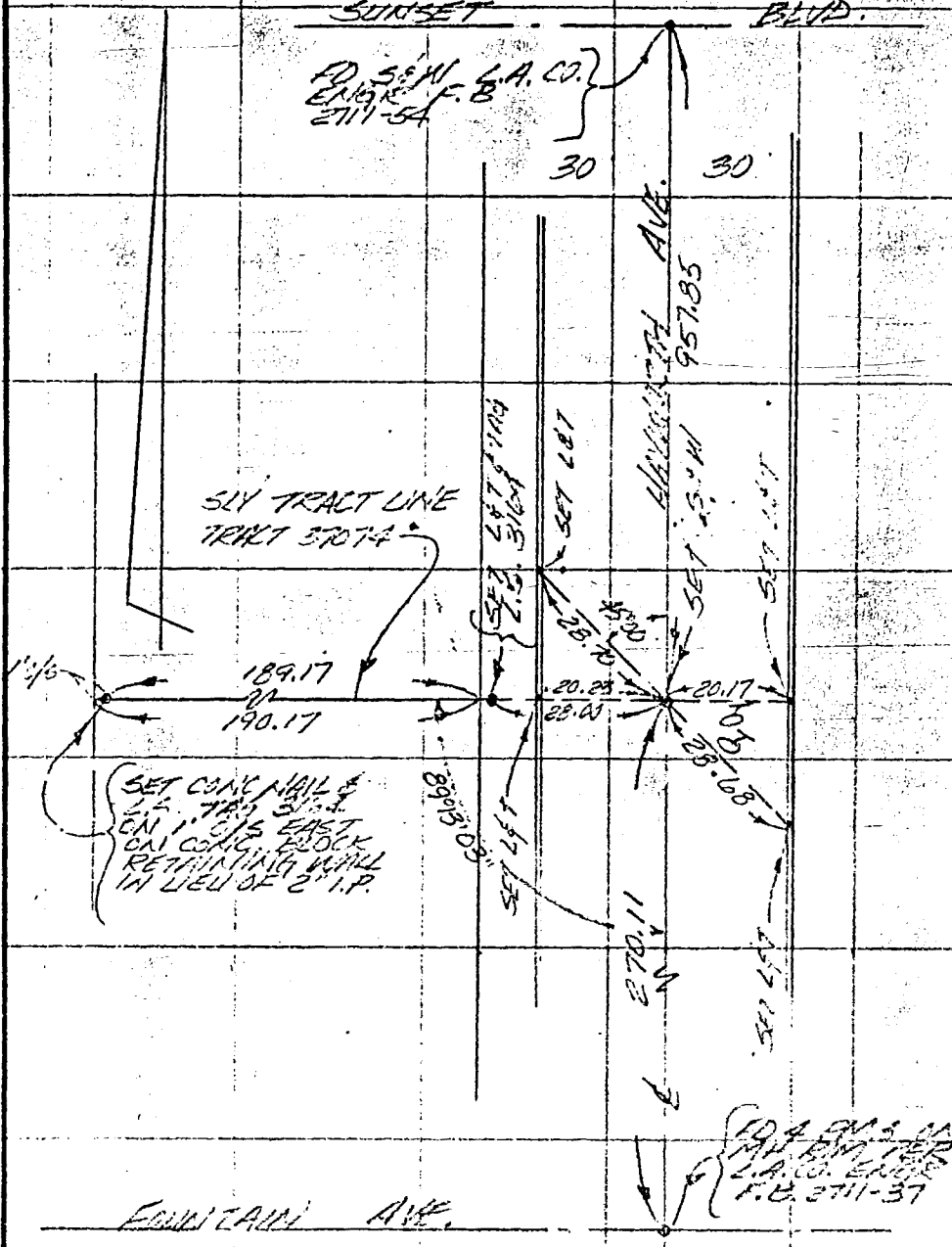
SO. CALIF. BLUE PRINT CO.

116 CO ENG FB 3596 - 116

SURVEY OF CENTERLINE TIES F. B. Pg.

SURVEY BY WARNER-KEEFE & ASSOC. TR. No. 37074

DATE MAY 27 1950

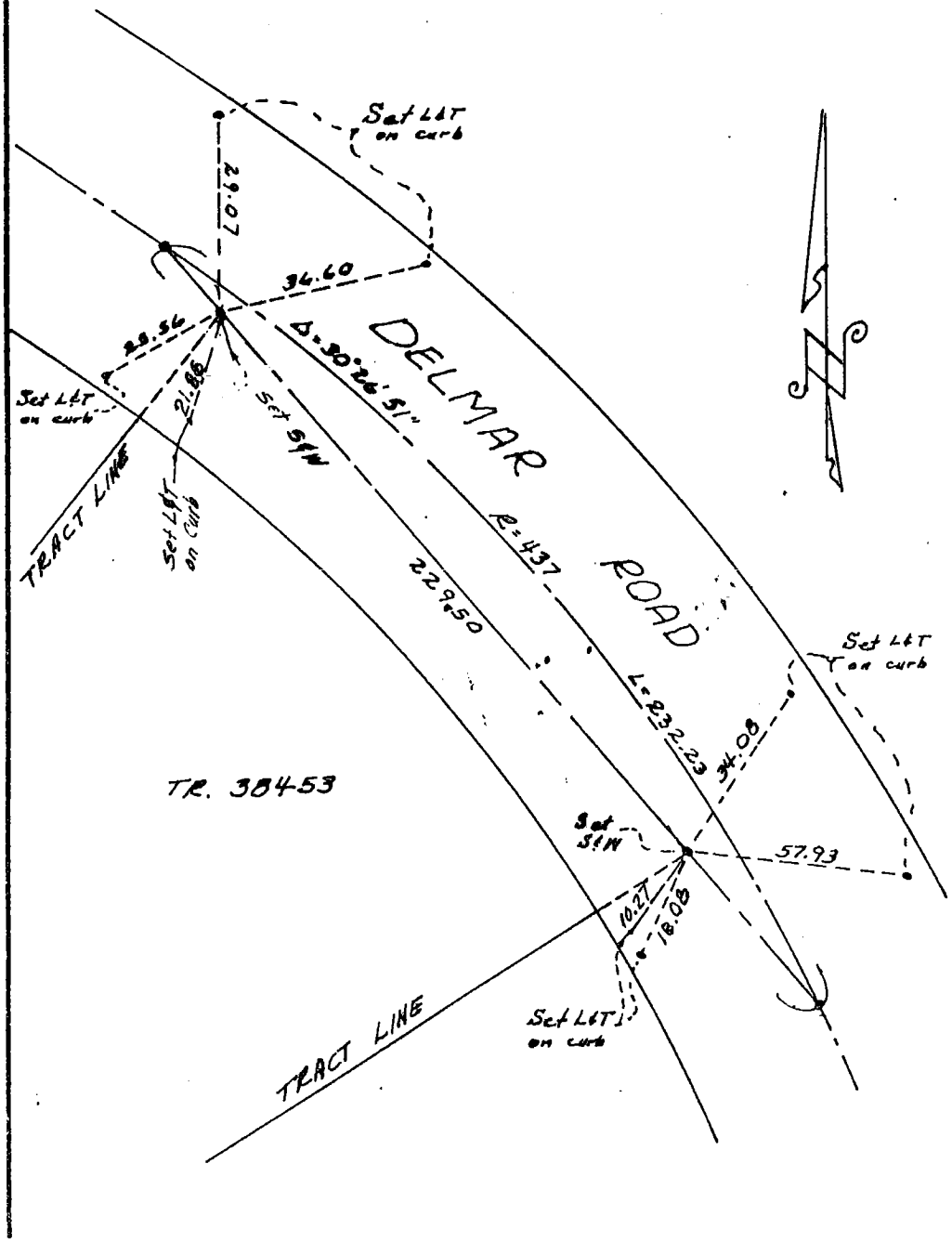


SO. CALIF. BLUE PRINT CO.

SURVEY OF E Ties Page 1 of 1

SURVEY BY Wesley R. Lind RCE 16362 TR. No. 38453

DATE 2/27/80



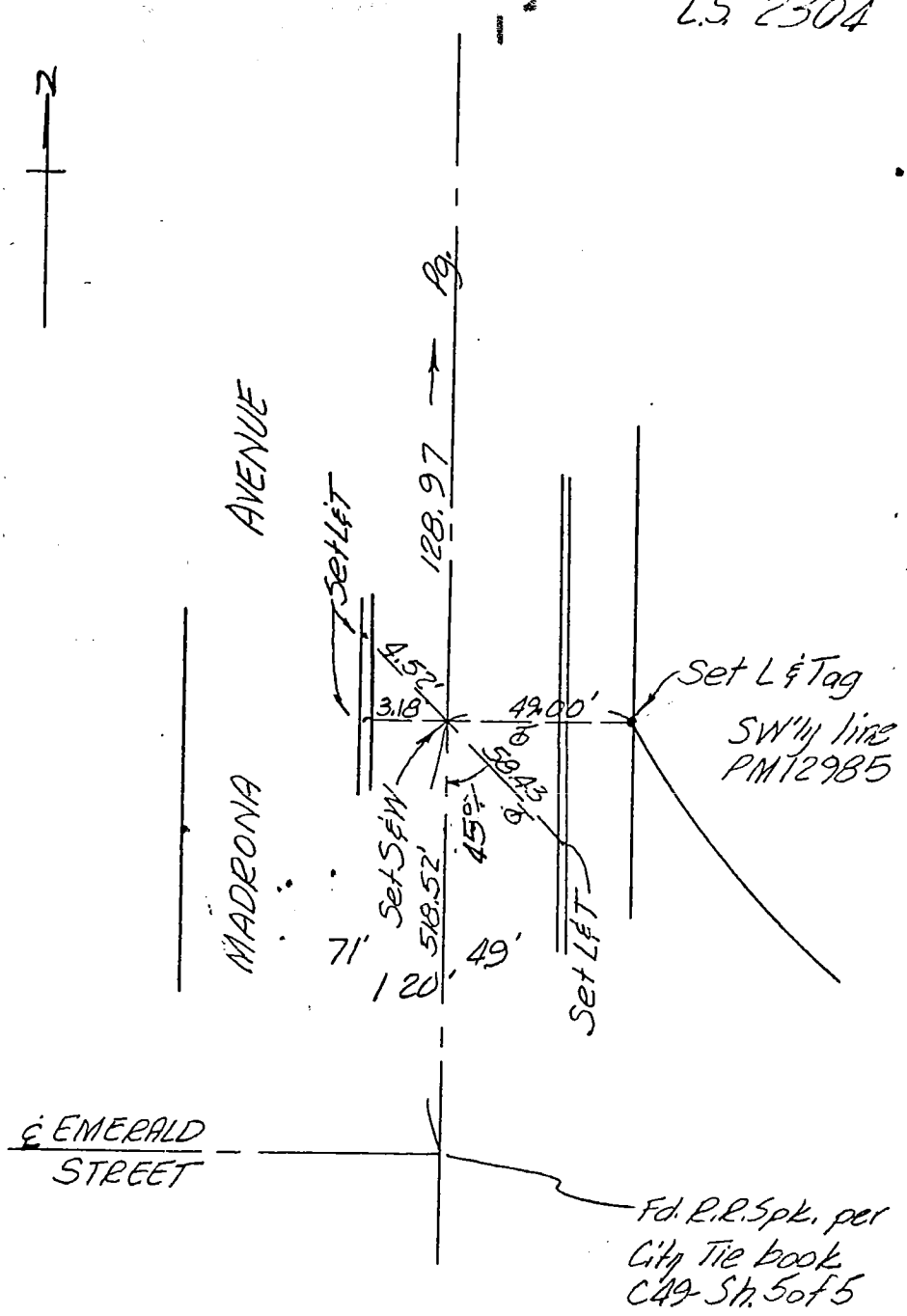
SO. CALIF. BLUE PRINT CO.

WS 51C-5

118 CO ENG FB 3596 - 118

SURVEY OF Street Center line F B NO. PAGE
SURVEY BY PSOMAS & Assoc. ~~TRACT~~ NO. PM 12985
DATE 4-28-80

L.S 2304



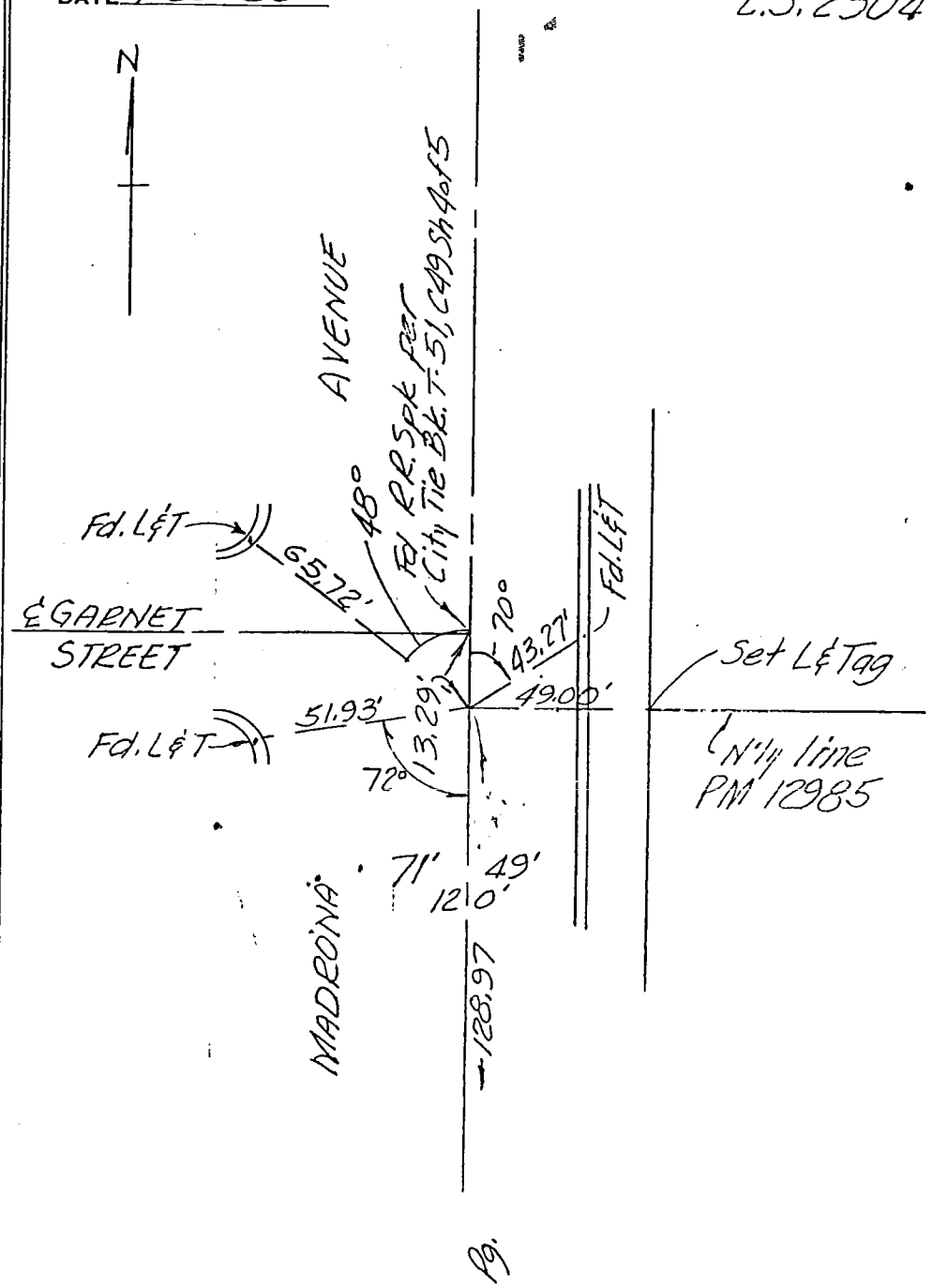
SURVEYORS SERVICE COMPANY, COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

W 5 24, D-5

119

SURVEY OF Street Centerline F B NO. PAGE
SURVEY BY BOMAS & Assoc. TRACT NO. PM 12985
DATE 4-28-80
L.S. 2304



W.S. 250-5

SURVEYORS SERVICE COMPANY, COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

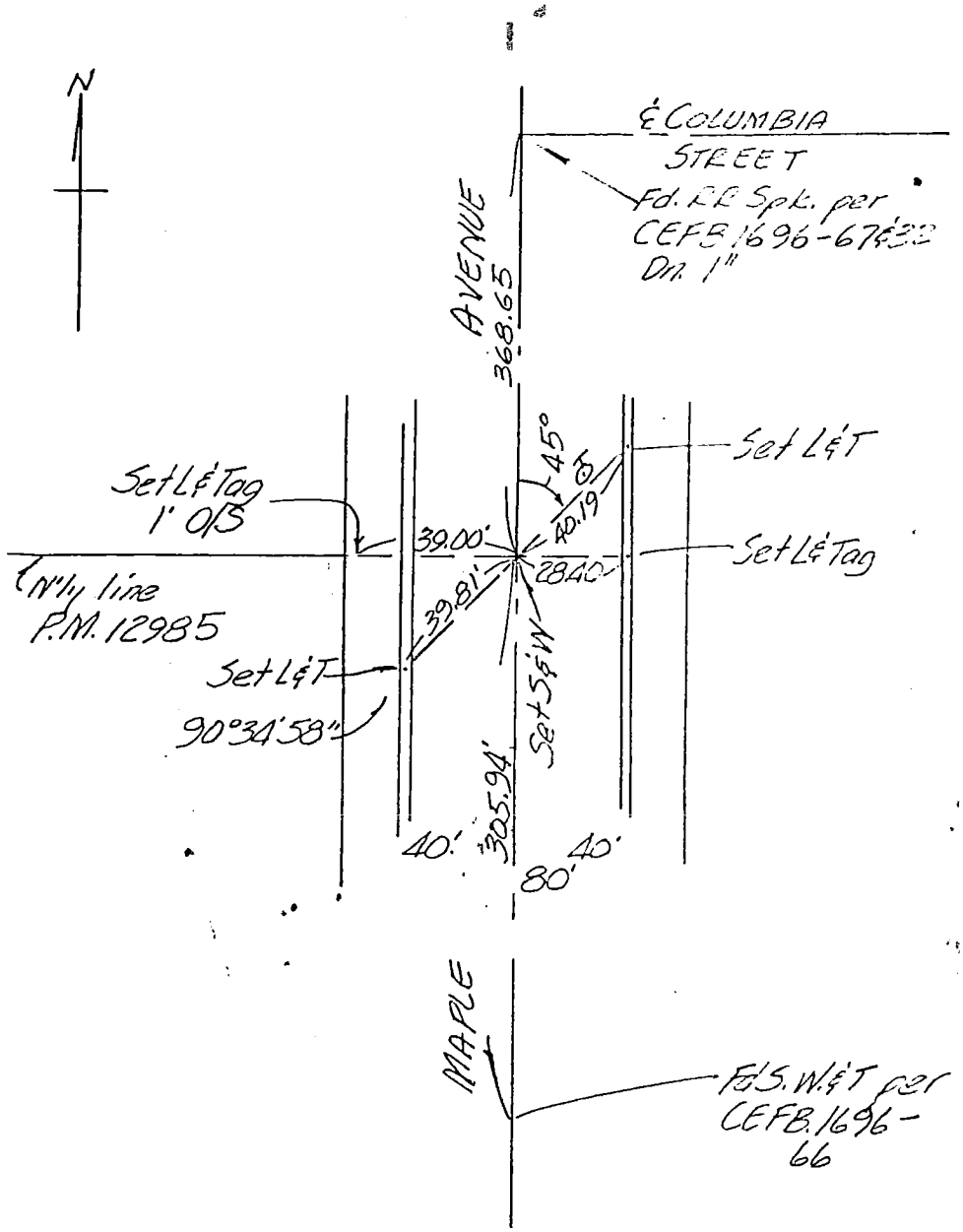
120 CO ENG FB 3596 - 120

SURVEY OF Street Centerline T... F B NO. ____ PAGE ____

SURVEY BY Bomas & Assoc. TRACT NO. P.M. 12985

DATE 4-28-80

L.S. 4504



SURVEYORS SERVICE COMPANY, MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

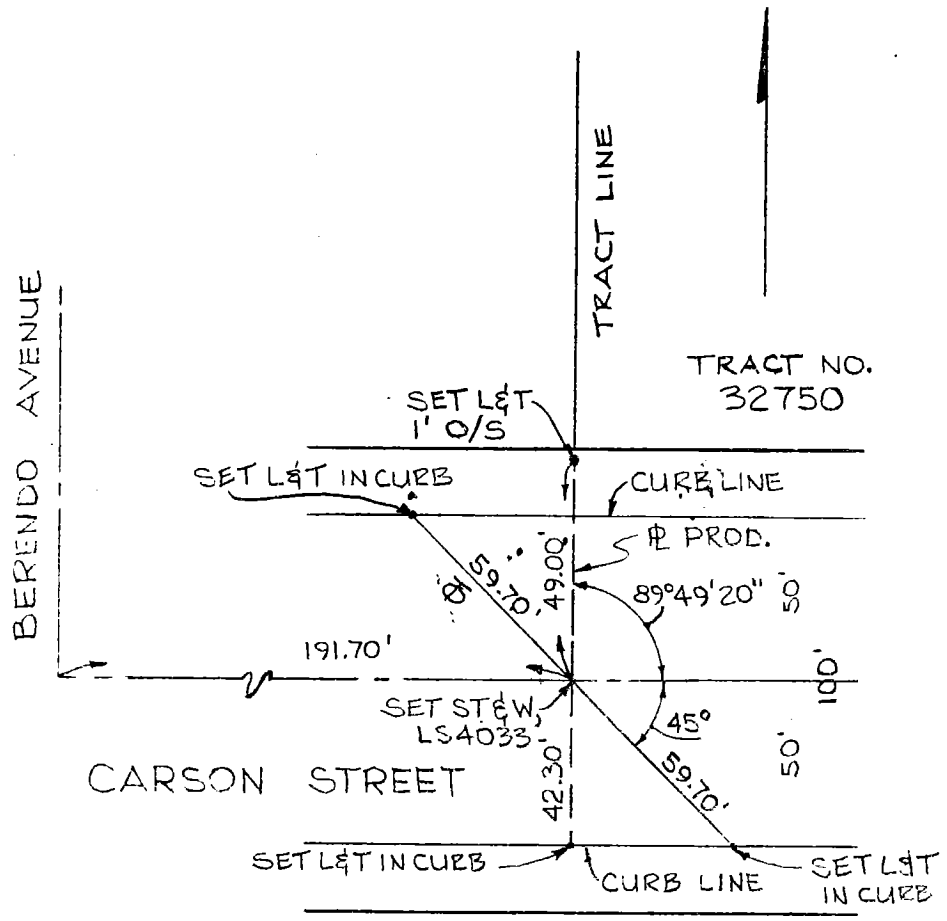
W.S. 2 FDS

191 CO ENG FB 3596 - 121

SURVEY OF CENTERLINE TIES F B NO. ____ PAGE 1

SURVEY BY TIERRA ENGINEERING TRACT NO. 32750

DATE 8-29-79



SURVEYORS SERVICE COMPANY COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

WS 288-1

73-B-1

122 CO ENG FB 3596 - 122

SURVEY OF 166th STREET & GRIDLEY RD. F B NO. ____ PAGE 1

SURVEY BY ENGINEERING SERVICE CORPORATION TRACT NO. 34268

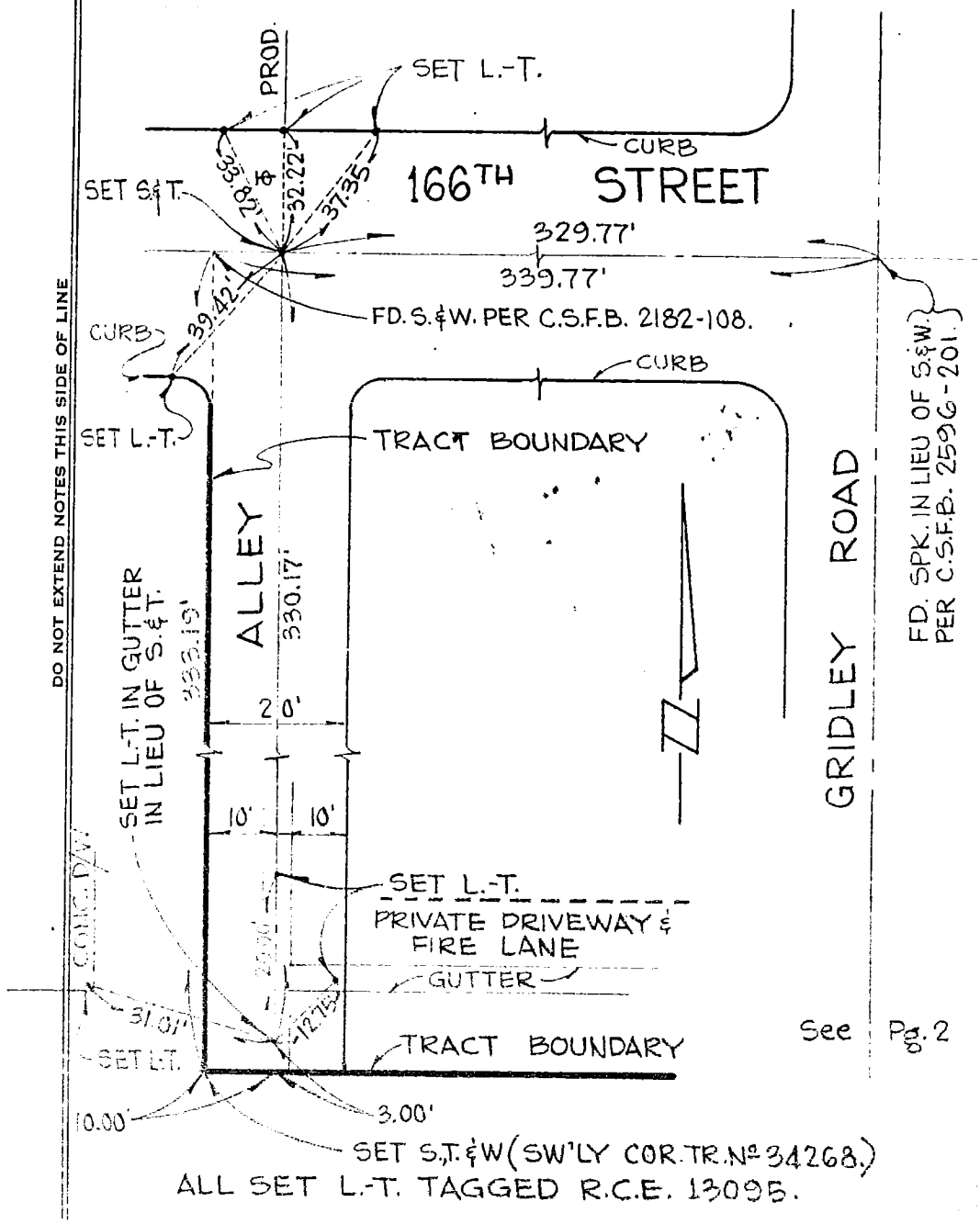
DATE MAY 19, 1980

J.K. NEWVILLE
R.C.E. 13095

WS 37C-L

SURVEYORS SERVICE COMPANY, MESA - STOCK NO 411

DO NOT EXTEND NOTES THIS SIDE OF LINE



See Pg. 2

ALL SET L.-T. TAGGED R.C.E. 13095.

123 CO ENG FB 3596 - 123

SURVEY OF GRIDLEY ROAD & 166th STREET F B NO. ____ PAGE 2

SURVEY BY ENGINEERING SERVICE CORPORATION TRACT NO. 34268

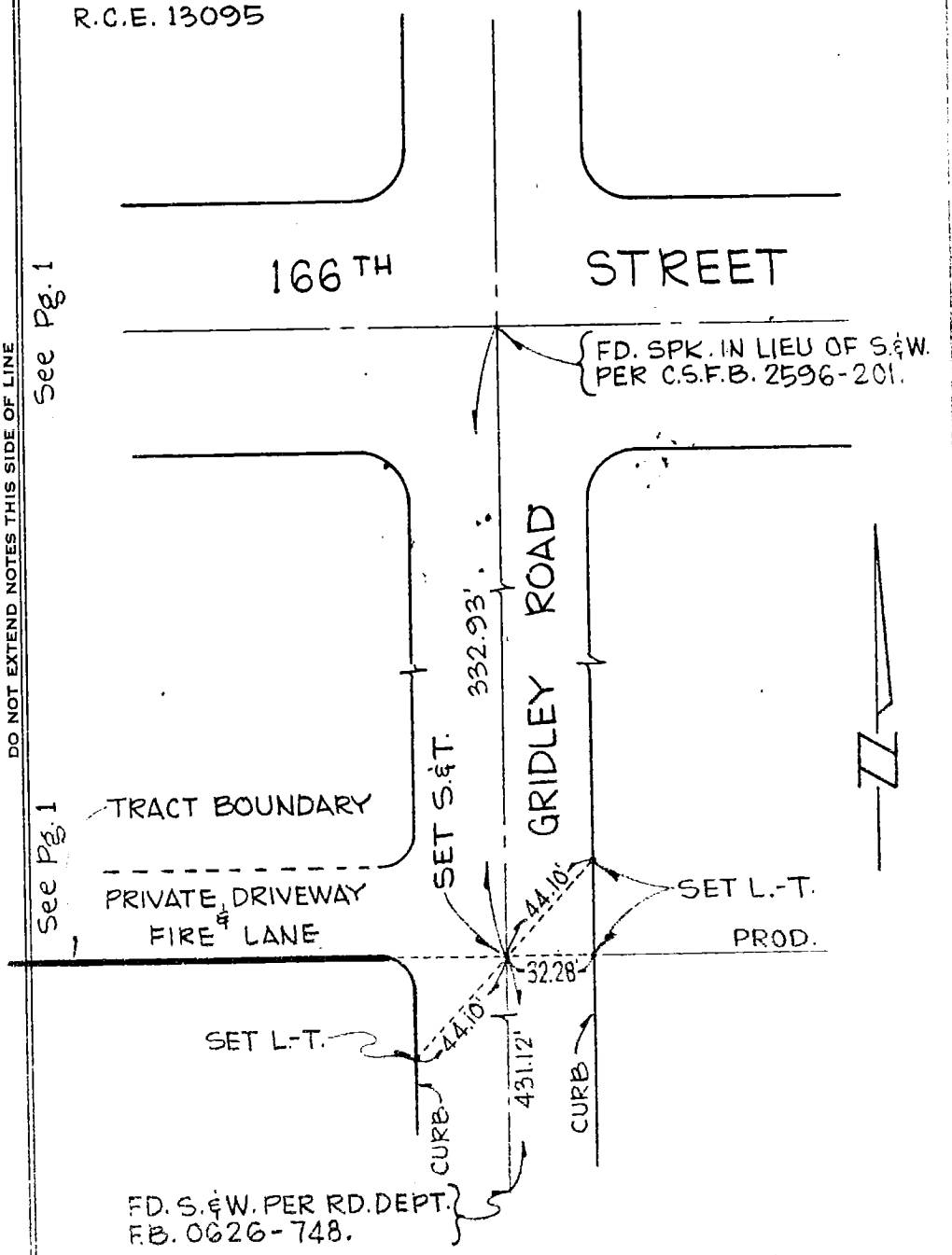
DATE MAY 19, 1980

J.K. NEWVILLE
R.C.E. 13095

SURVEYORS SERVICE COMPANY, STA MESA · STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

WS 33 C-5



ALL SET L.-T. TAGGED R.C.E. 13095.

124 CO ENG FB 3596 - 124

SURVEY OF CENTERLINE TIES F. B. ____ Pg. 1

SURVEY BY WAGNER-KERR ASSOC. TR. No. 34469

DATE JAN. 24. 1979

HOLLOWAY DRIVE - FROM LA CIENEGA BLVD. TO ALTA LOMA RD.

CENTERLINE TIES

R. VAN BENTHUYSEN
M. SCHRAMEK

ALL DISTANCES SHOWN AS MEASURED ARE CORRECTED TO 68°F

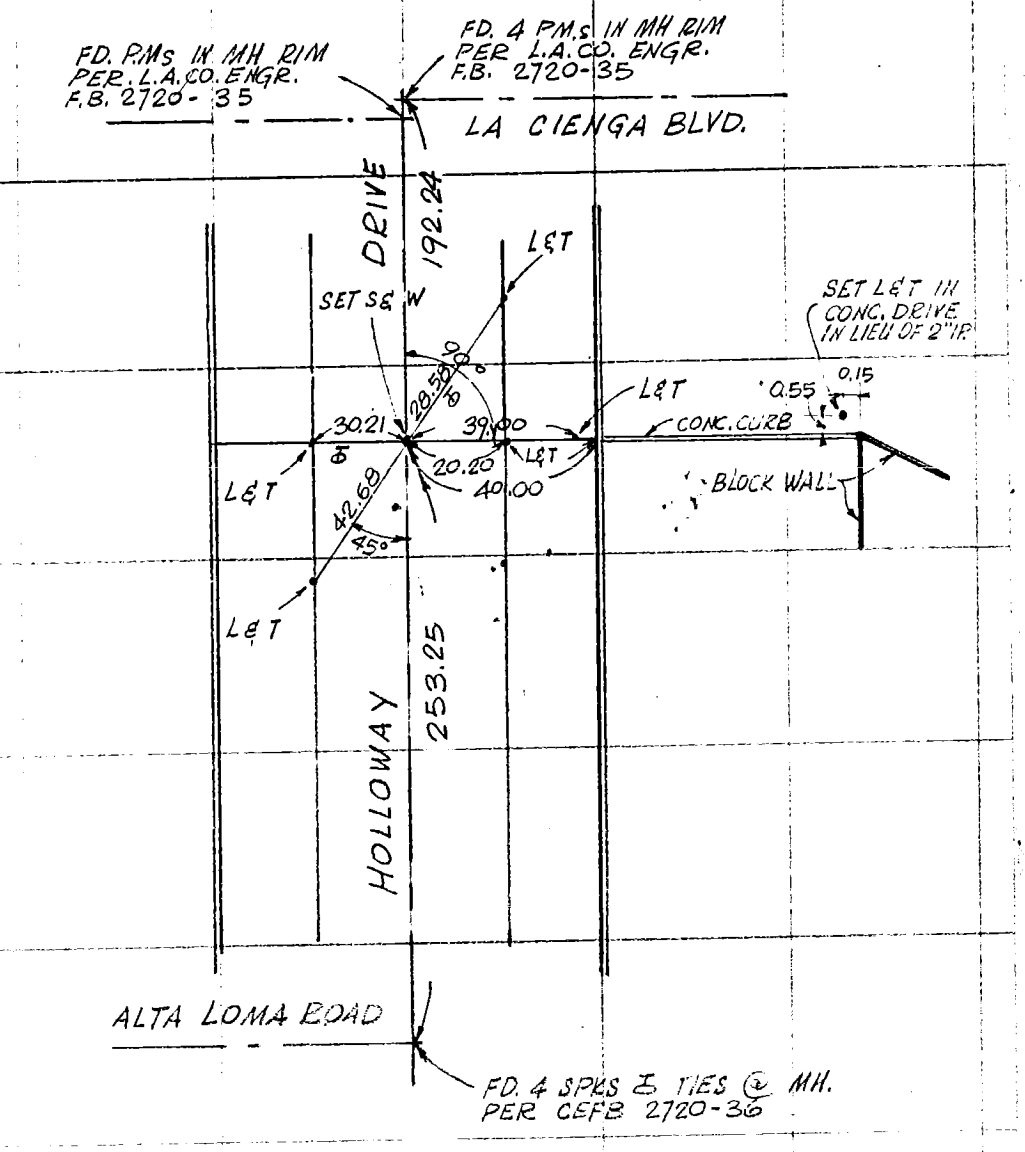
SO. CALIF. BLUE PRINT CO.

125 CO ENG FB 3596 - 125

SURVEY OF CENTERLINE TIES F. B. PG. 2

SURVEY BY WAGNER-KERR ASSOC. TR. No. 34469

DATE JAN. 22, 1979



SO. CALIF. BLUE PRINT CO.

WS 22 B2C2

126 CO ENG FB 3596 - 126

SURVEY OF CENTERLINE TIES F. B. _____ PG. 1

SURVEY BY WAGNER-KERR, ASSOC TR. No. 35272

DATE JANUARY 11, 1979

PALM AVE - 230 Ft SW/C 6TH ST

ALLEY SE/O
PALM AVE - 230 Ft SW/C 6TH St

CENTERLINE TIES

R. von Benthuysen
M. Schromer

All distances shown are corrected to 68° F.

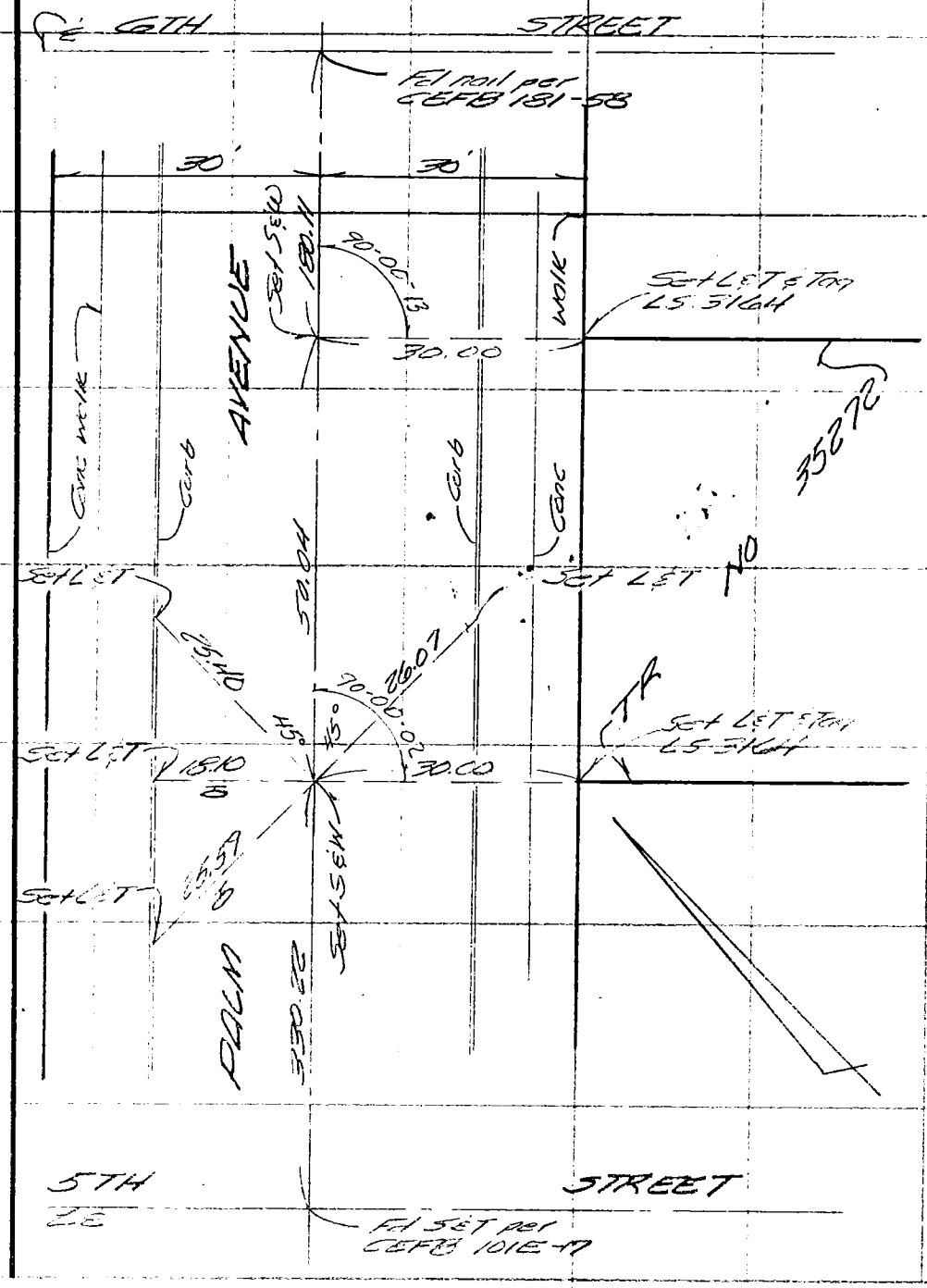
SO. CALIF. BLUE PRINT CO.

127 CO ENG FB 3596 - 127

SURVEY OF CENTERLINE TIES F. B. _____ PG. 2

SURVEY BY WAGNER-KERR ASSOC. TR. No. 35272

DATE JANUARY 11, 1979



W540 C-2

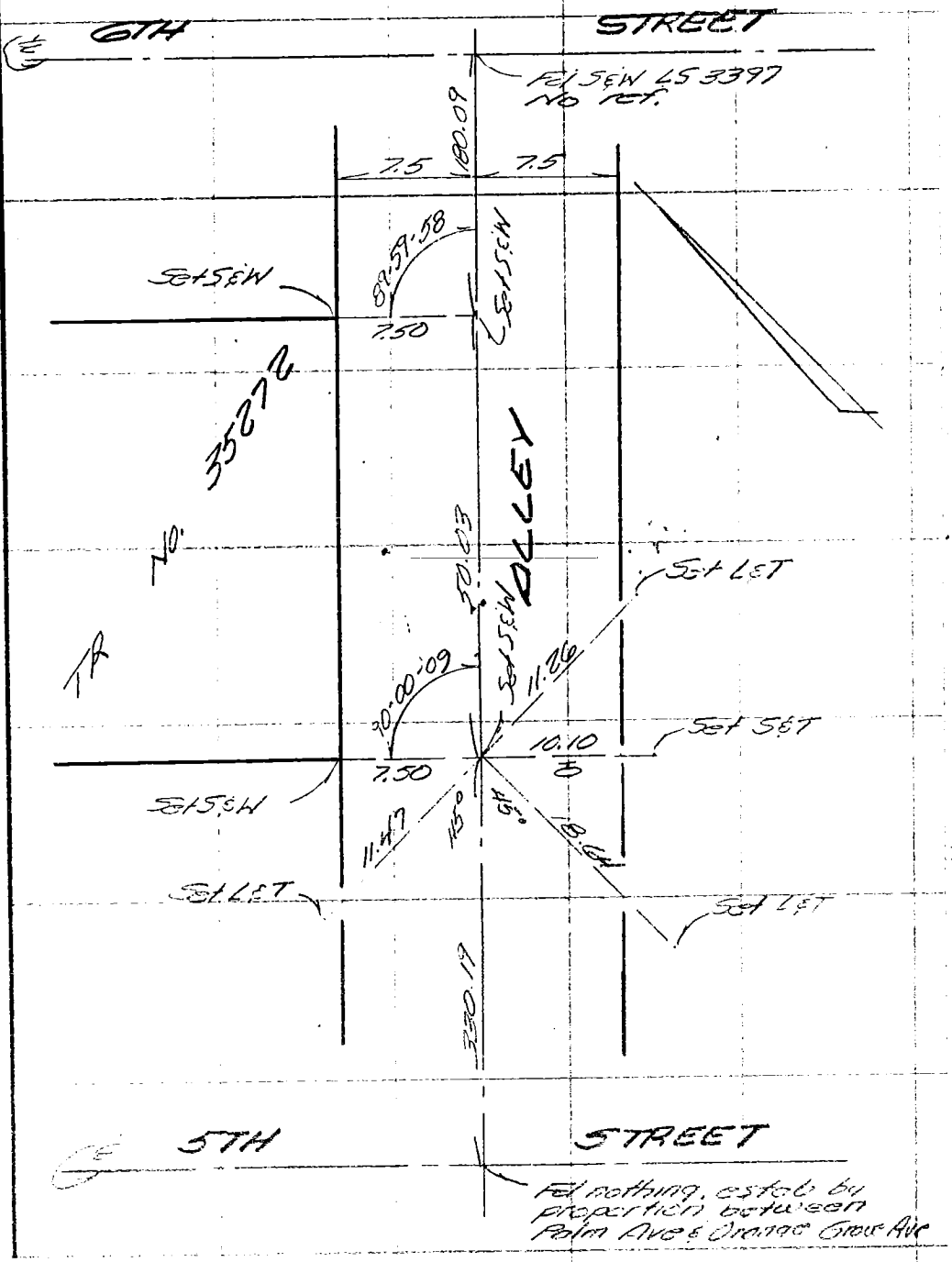
SO. CALIF. BLUE PRINT CO.

128 CO ENG FB 3596 - 128

SURVEY OF CENTERLINE TIES F. B. ____ PG. 3

SURVEY BY WAGNER-KERR ASSOC. TR. No. 35272

DATE JANUARY 11, 1979



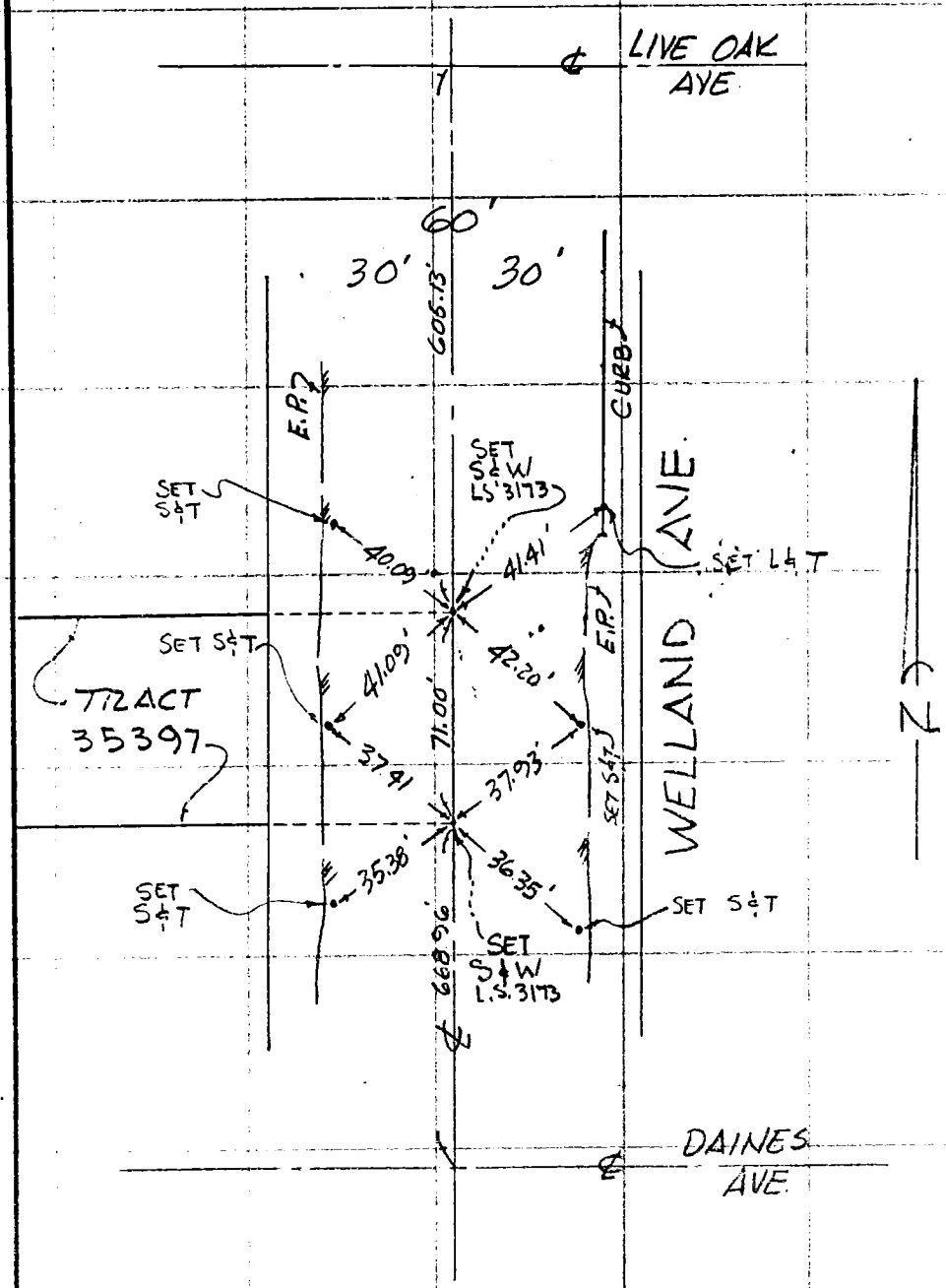
SO. CALIF. BLUE PRINT CO.

129 CO ENG FB 3596 - 129

SURVEY OF ℄ TIES WELLAND AVE F. B. _____ PG. _____

SURVEY BY LOREN C. PHILLIPS & ASSOC. TR. No. 35397

DATE JANUARY 1979



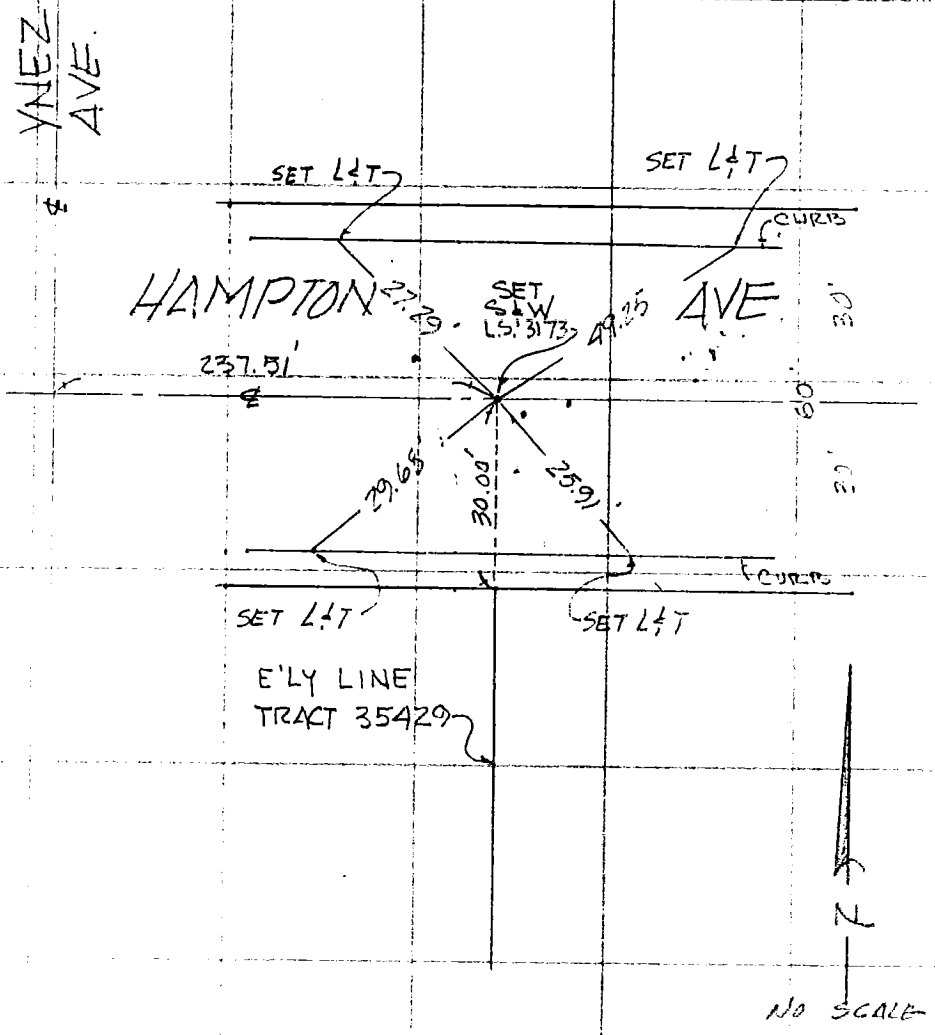
SO. CALIF. WS 46 A-7 RIN CO.

130 CO ENG FB 3596 - 130

SURVEY OF ℄ TIES HAMPTON AVE. F. B. _____ PG. _____

SURVEY BY LOREN C. PHILLIPS & ASSOC. TR. No. 35429

DATE JANUARY 1979



SO. CALIF. BLUE PRINT CO.

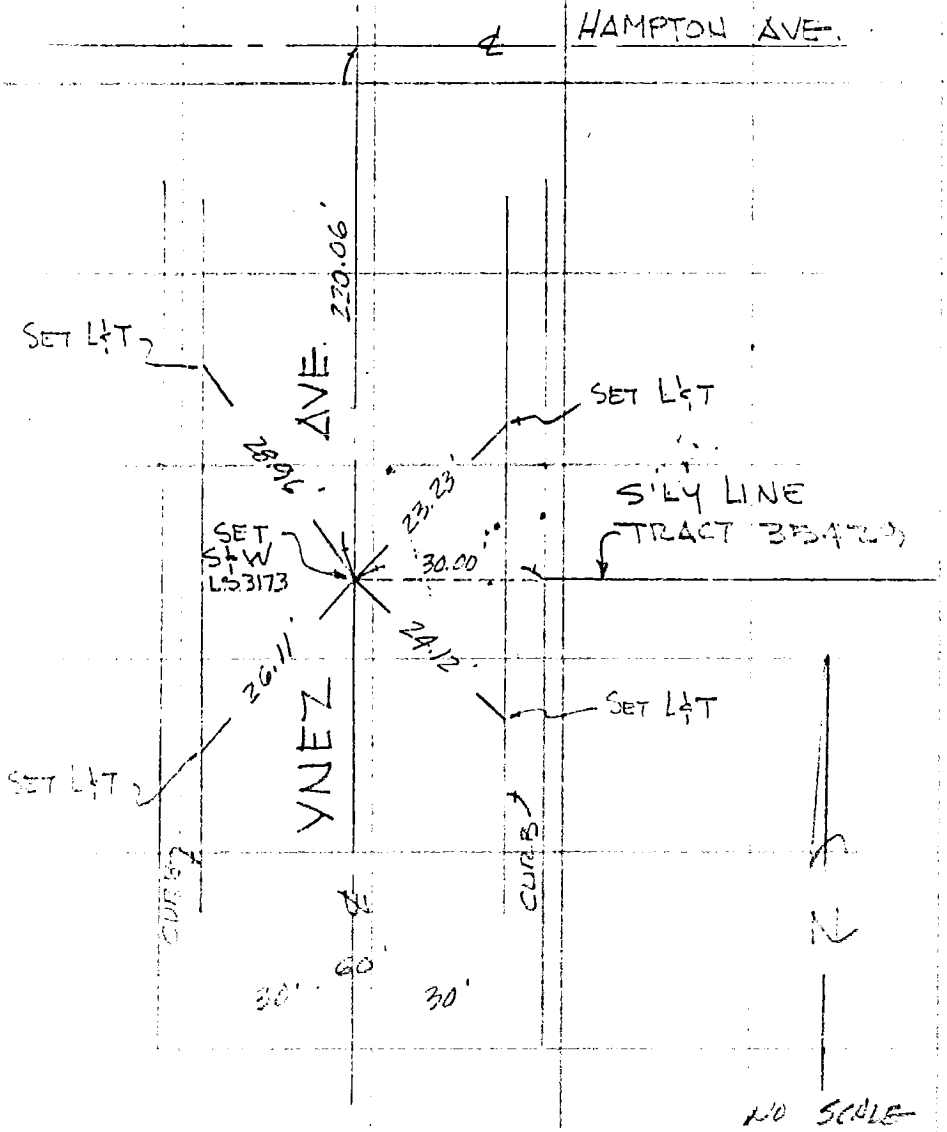
131 CO ENG FB 3596 - 131

SURVEY OF ETIE YNEZ AVE. F. B. ____ PG. ____

SURVEY BY LOREN C. PHILLIPS & ASSOC. TR. No. 35429

DATE JANUARY 1979

W.S. 8E-6



SO. CALIF. BLUE PRINT CO.

W.S.28, R. 2

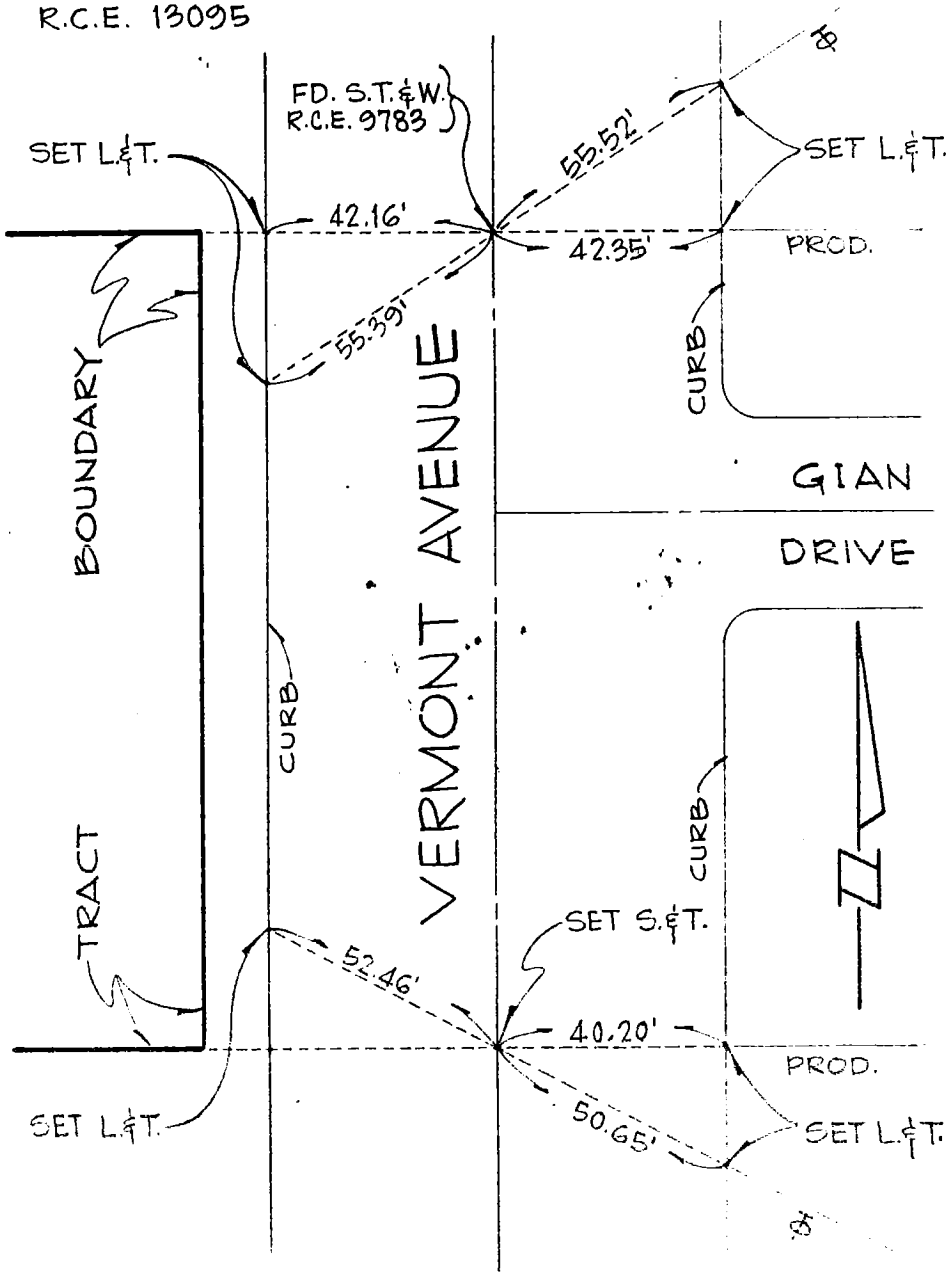
132 CC ENG FB 3596 - 132

SURVEY OF VERMONT AVENUE F B NO. PAGE 1

SURVEY BY ENGINEERING SERVICE CORPORATION TRACT NO. 35789

DATE APRIL 21, 1980

J.K. NEWVILLE
R.C.E. 13095



SURVEYORS SERVICE COMPANY. STA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

133 CO ENG FB 3596 - 133

SURVEY OF CENTERLINE TIES F. B. _____ PG. _____

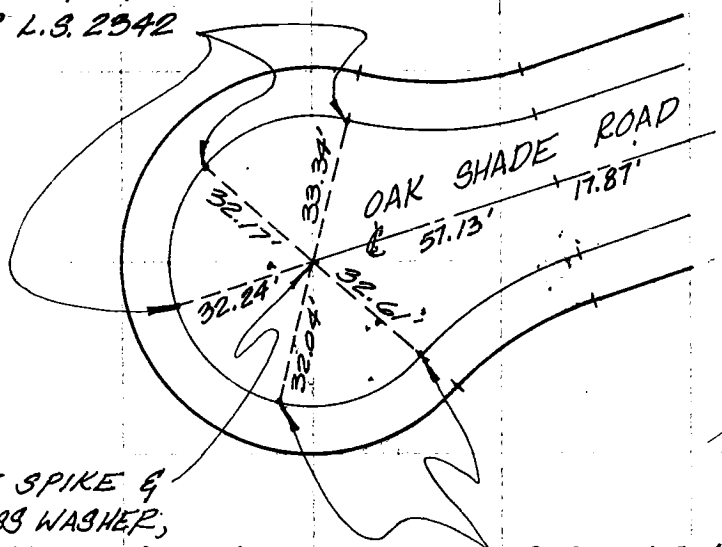
SURVEY BY M. W. FINLEY CO. TR. No. 35923

DATE MAY 1, 1980

L. S. 2342

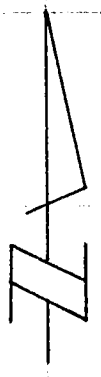
W546 D-1

SET L.&T.&
TAG L.S. 2342



SET SPIKE &
BRASS WASHER,
STAMPED L.S. 2342

SET L.&T.&
TAG L.S. 2342



SO. CALIF. BLUE PRINT CO.

134 CO ENG DB 3596 - 134

SURVEY OF CENTERLINE TIES F. B. PG.

SURVEY BY M.W. FINLEY CO. TR. No. 35923

DATE MAY 1, 1980

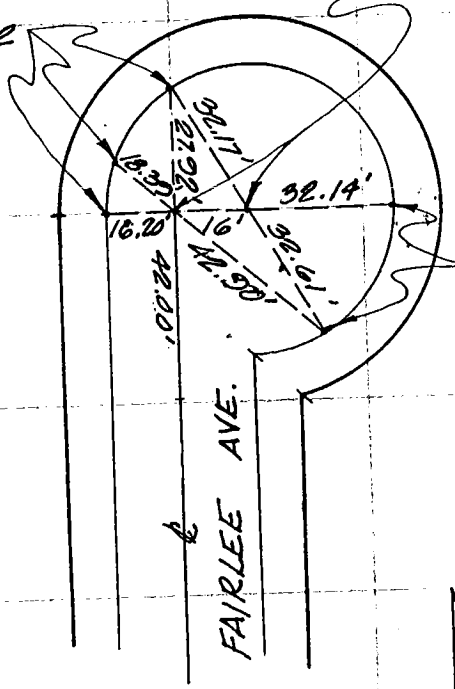
M.W. Finley

L.S. 2342

W.S. 46, D 7

SET SPIKE & BRASS WASHER, STAMPED L.S. 2342

SET L.& T. & TAG L.S. 2342



SET L.& T. & TAG L.S. 2342

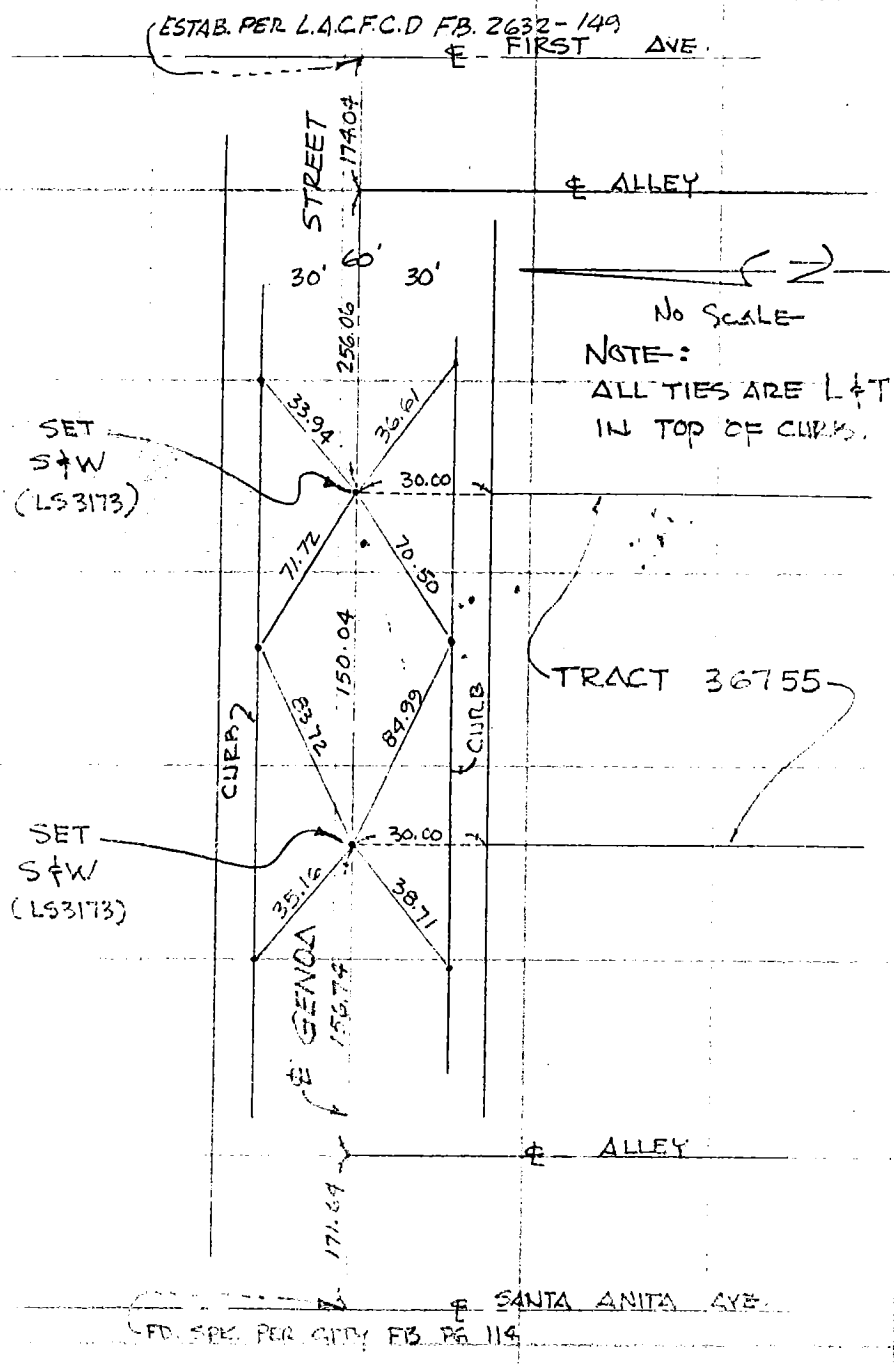
SO. CALIF. BLUE PRINT CO.

131 CO ENG FB 3596 - 135

SURVEY OF ℄ TIES GENOA AVENUE F. B. ____ PG. ____

SURVEY BY LOREN C. PHILLIPS & ASSOC. TR. No. 36755

DATE AUGUST 1979

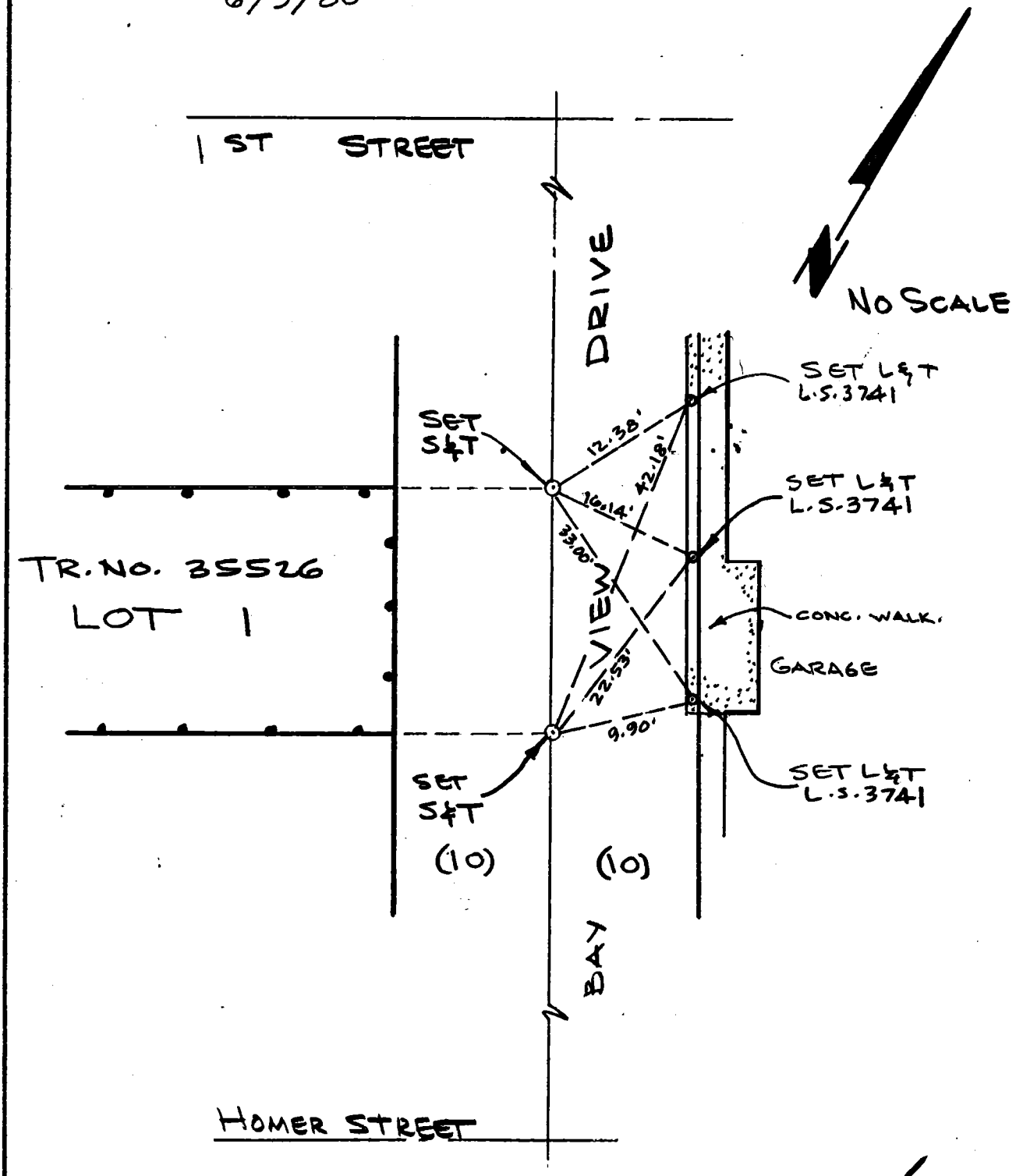


SO. CALIF. BLUE PRINT CO.

W.S.254-7

CENTERLINE TIES FOR TRACT NO. 35526

BY: WINCHELL SURVEYING CO.
5116 W. 190th ST.
TORRANCE, CA. 90503
David D. Winchell L.S.3741
6/9/80

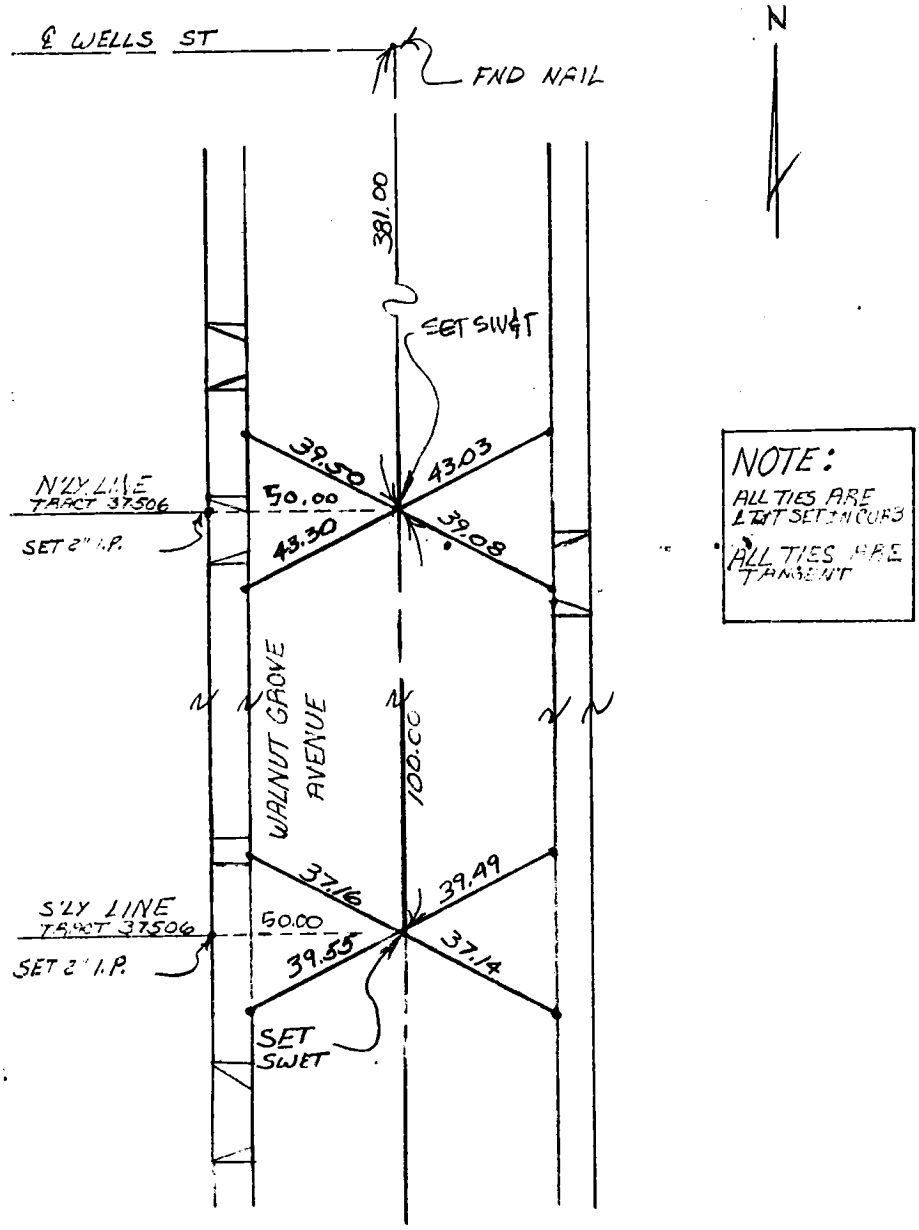


137 CO ENG FB 3596 - 137

SURVEY OF CENTERLINE TIES F B NO. PAGE

SURVEY BY JAMES E NELSON RCE 22106 TRACT NO. 37506

DATE MAY 15 1980



NOTE:
ALL TIES ARE LOT SET 3 INCHES
ALL TIES ARE TANGENT

DO NOT EXTEND NOTES THIS SIDE OF LINE

SURVEYORS SERVICE COMPANY 1STA MESA - STOCK NO. 411

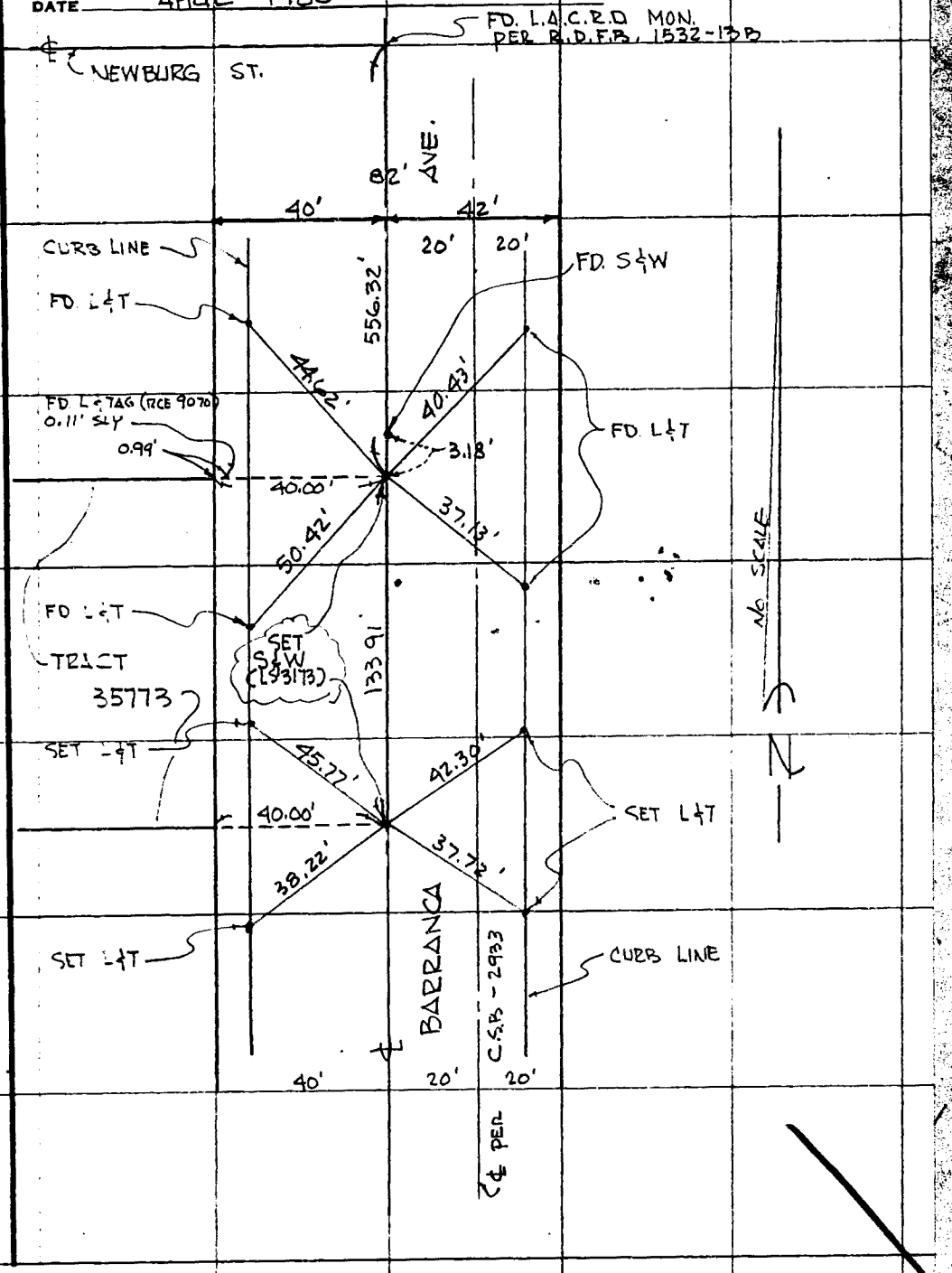
VALLEY BLVD

138 CO ENG FB 3596 - 138

SURVEY OF ℄ TIES - BARRANCA AVE. F. B. _____ PG. _____

SURVEY BY LOREN PHILLIPS & ASSOC. TR. No. 35773

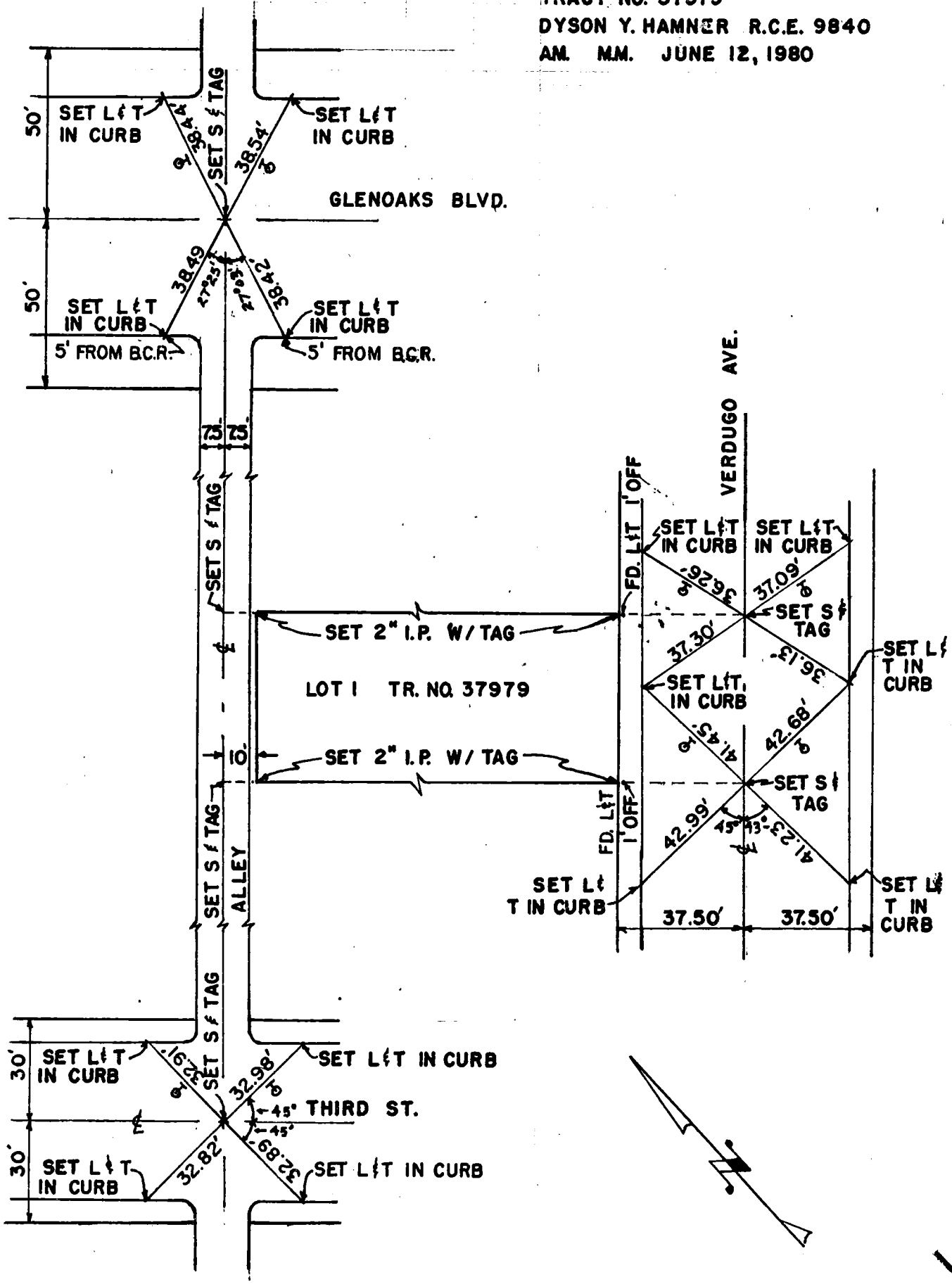
DATE APRIL 1980



144-317A-2

SO. CALIF. BLUE PRINT CO.

TRACT NO. 37979
DYSON Y. HAMNER R.C.E. 9840
AM. MM. JUNE 12, 1980

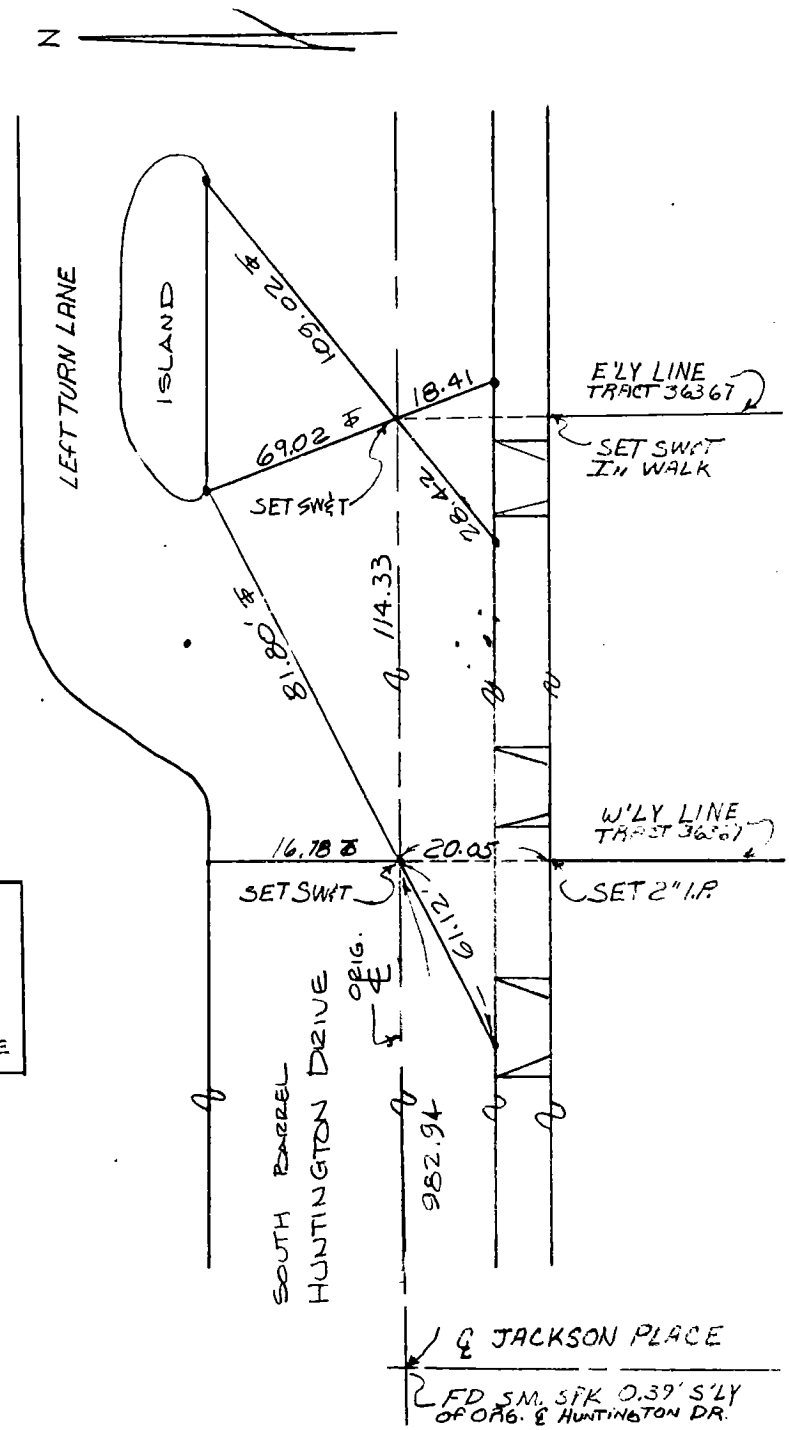


140 CO ENG FB 3596 - 140

SURVEY OF CENTERLINE Ties F B NO. 23 PAGE 100

SURVEY BY JAMES E NELSON RCE 22406 TRACT NO. 36367

DATE 6-11-80



NOTE:
ALL Ties ⌀
ALL Ties ARE SET LT&T IN CURB
NOT TO SCALE

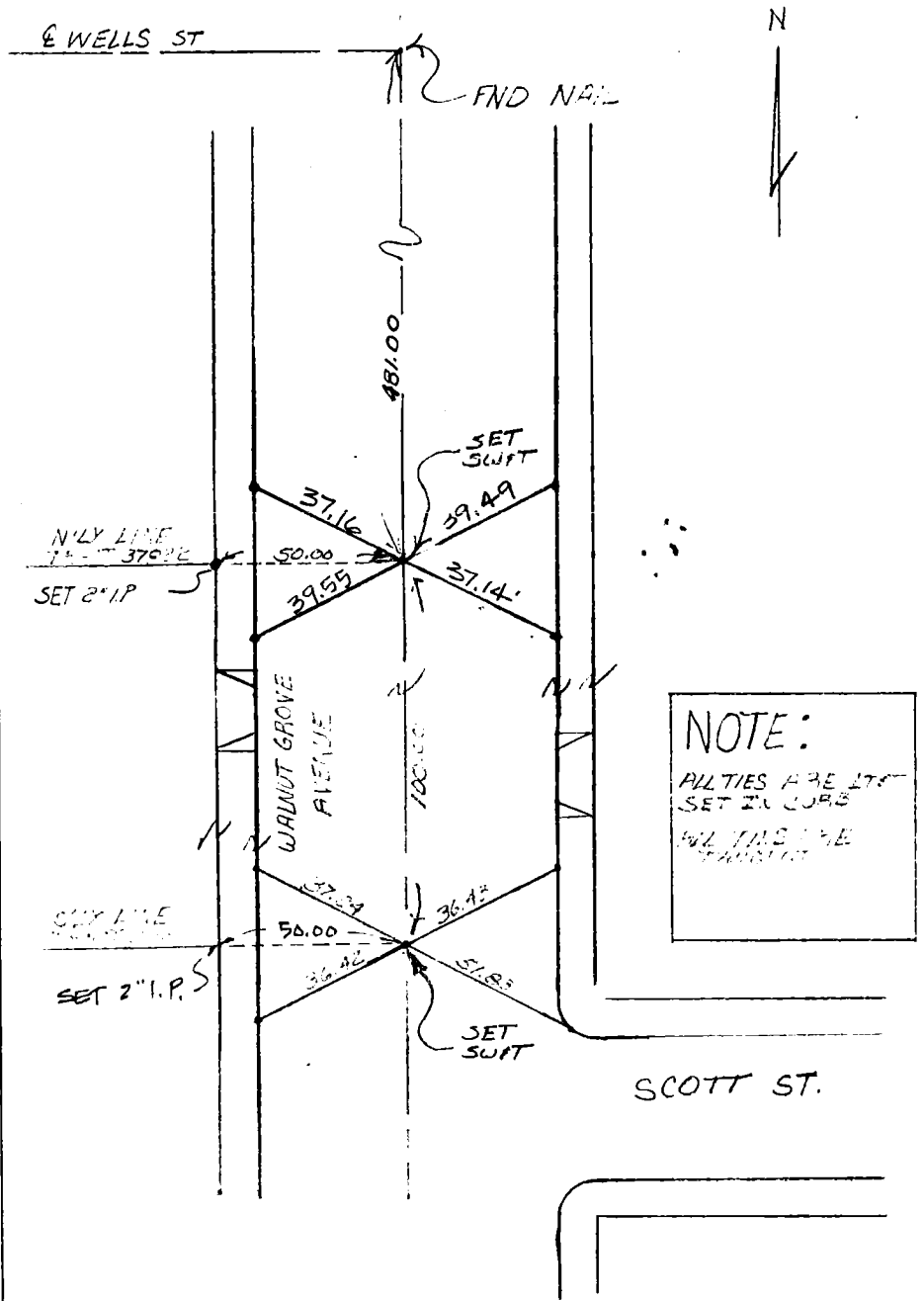
SURVEYORS SERVICE COMPANY ASTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

W.P. 44 C-3

141 CO ENG FB 3596 - 141

SURVEY OF CENTERLINE TIES F B NO. PAGE
SURVEY BY JAMES E NELSON RCE 22406 TRACT NO. 37822
DATE MAY 15 1980



DO NOT EXTEND NOTES THIS SIDE OF LINE

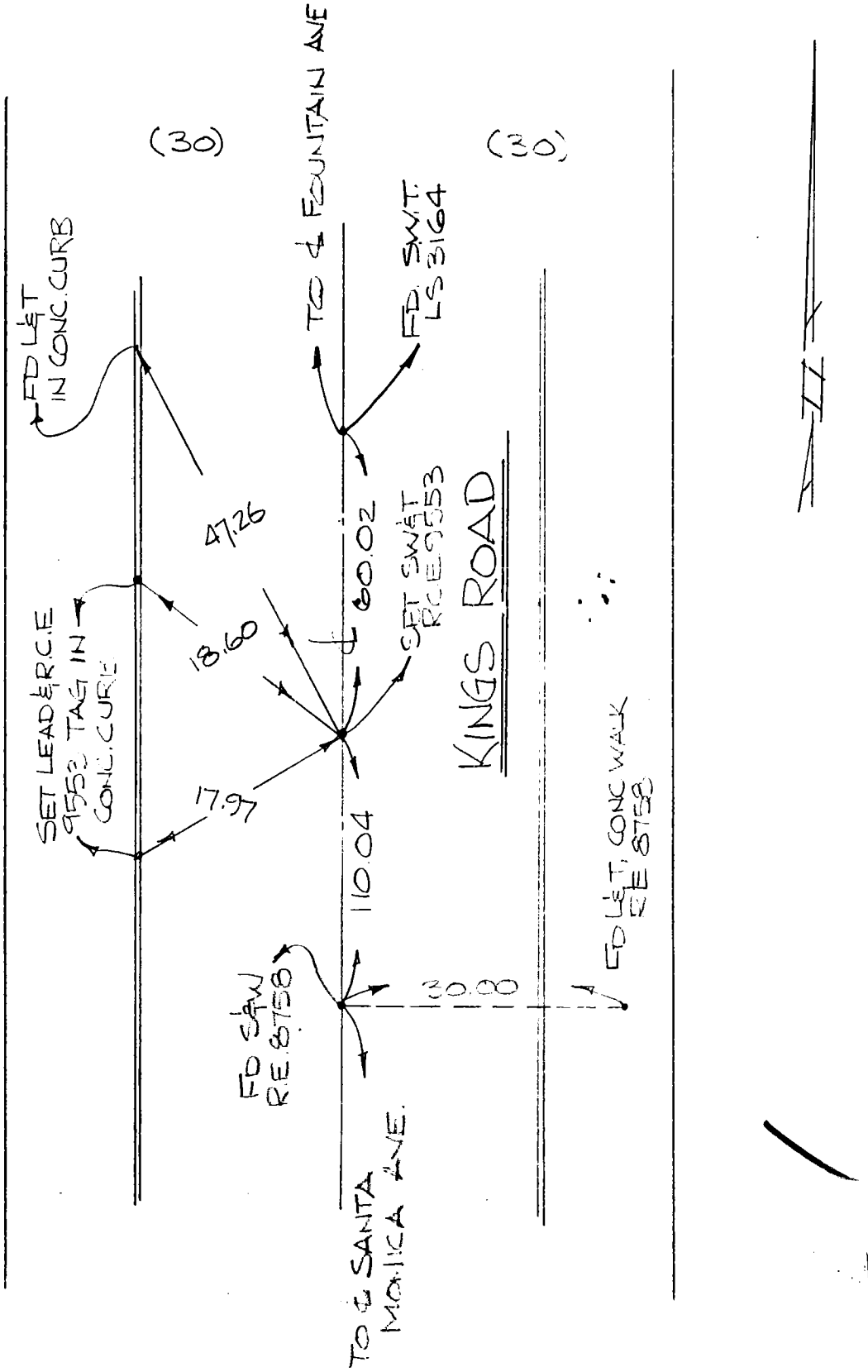
SURVEYORS SERVICE COMPANY STA MESA - STOCK NO. 411

W.S. 44 C-5

SIKAND ENGINEERING ASSOCIATES
15230 Burbank Boulevard
VAN NUYS, CALIFORNIA 91411
Phone (213) 787-8550

F.B. 4 TIES PG.
W.O. 1050-532 TR.Nº 39268
SURVEY BY JACKSON
DATE 5-22-80

US 2267



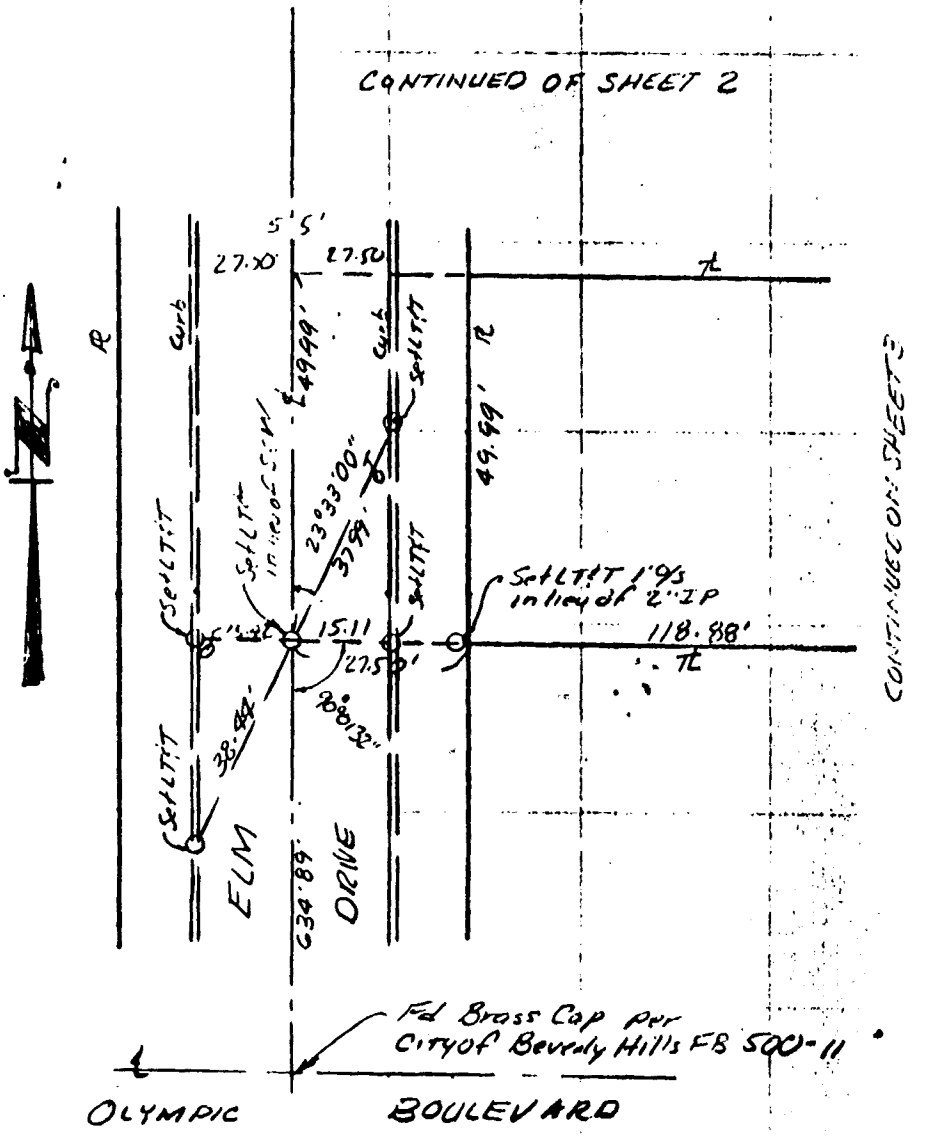
SURVEY OF _____ F. B. _____ Pg. 1

SURVEY BY SPINDLER ENGINEERING CORP. TR. No. 35708 -4

DATE MAY 1980

RONALD W. SPINDLER RCE 13194

BD. CALIF. BLUE PRINT CO.



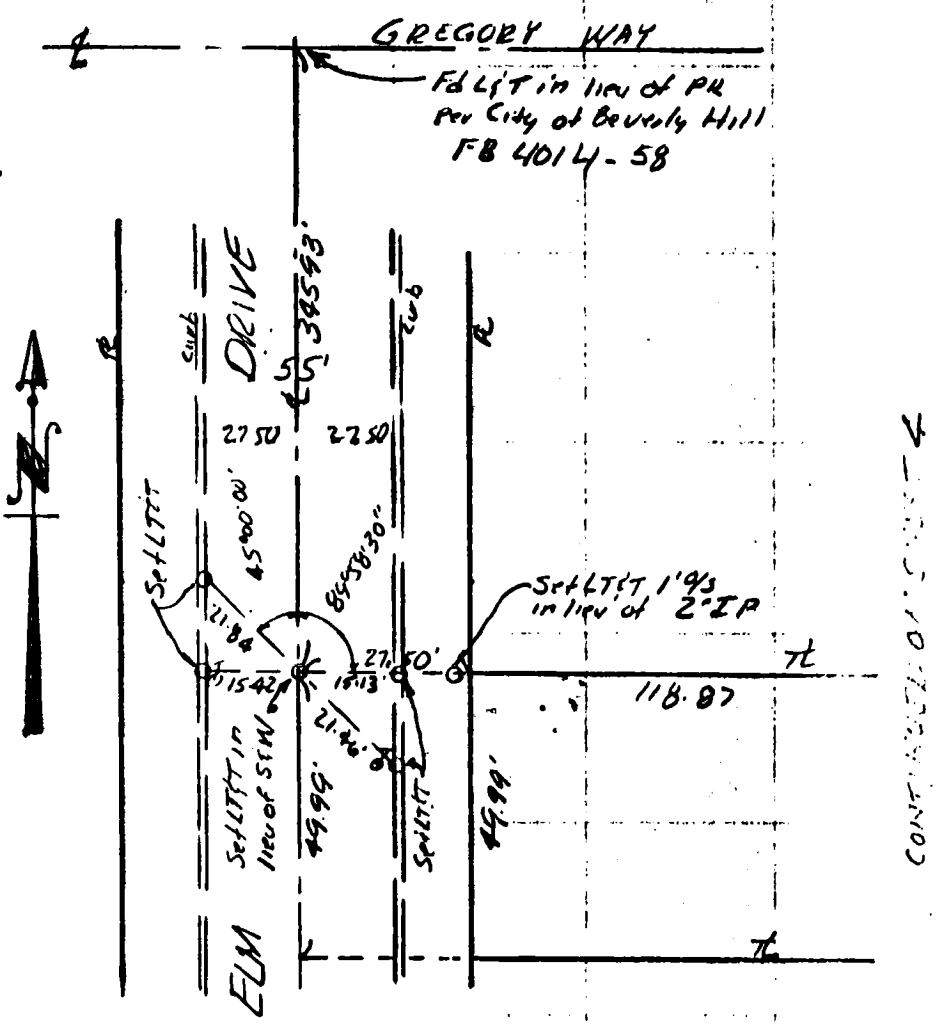
CO ENG FB 3596 - 144

SURVEY OF _____ F. B. _____ Pg. 2

SURVEY BY SPINDLER ENGINEERING CORP TR. No. 35708

DATE MAY 1980

RONALD W. SPINDLER RCE 13194



CONTINUED ON SHEET 1

CONTINUED

SO. CALIF. BLUE PRINT CO.

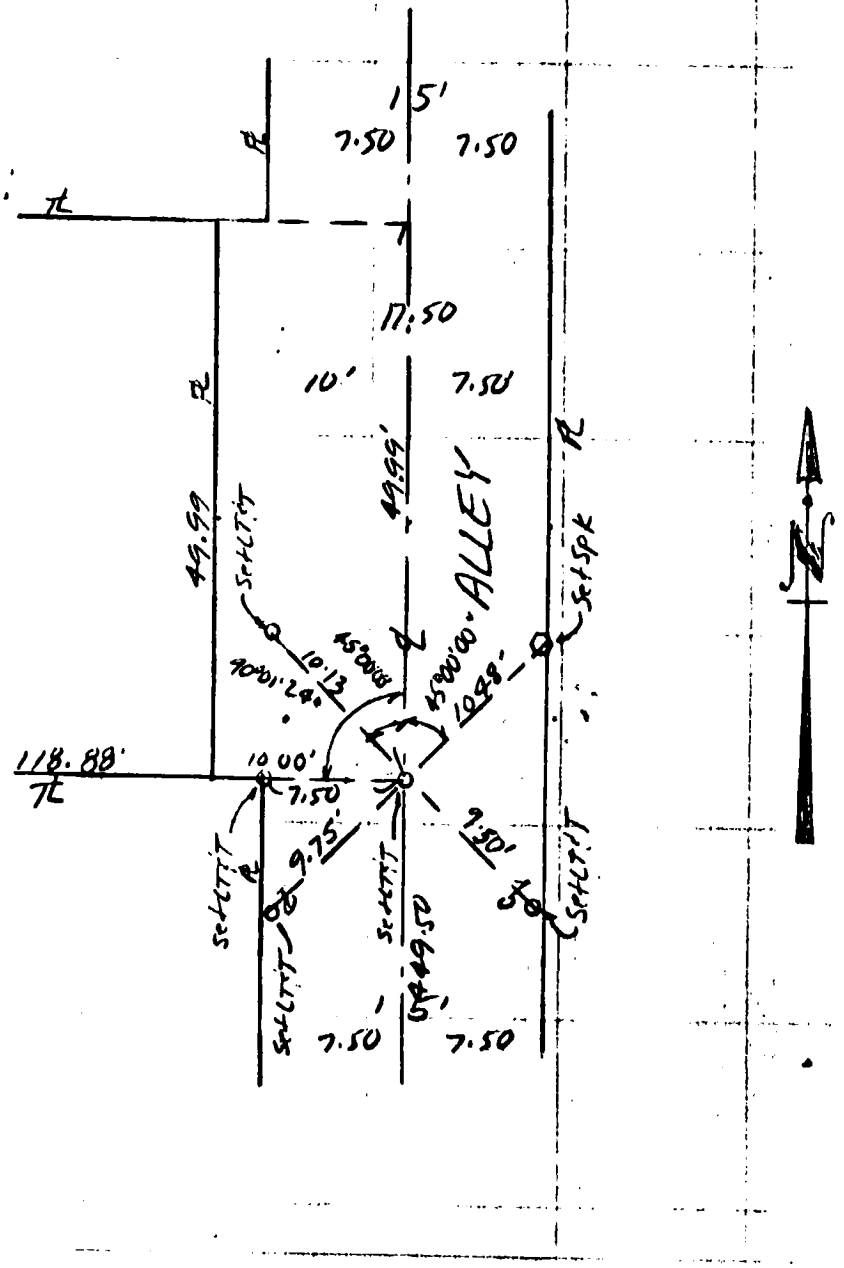
SURVEY OF _____ F. B. _____ Pg. 3

SURVEY BY SPINDLER ENGINEERING CORP TR. No. 35708

DATE MAY 1980

RONALD W SPINDLER RCE13494

CONTINUED ON SHEET 4



CONTINUED ON SHEET 1

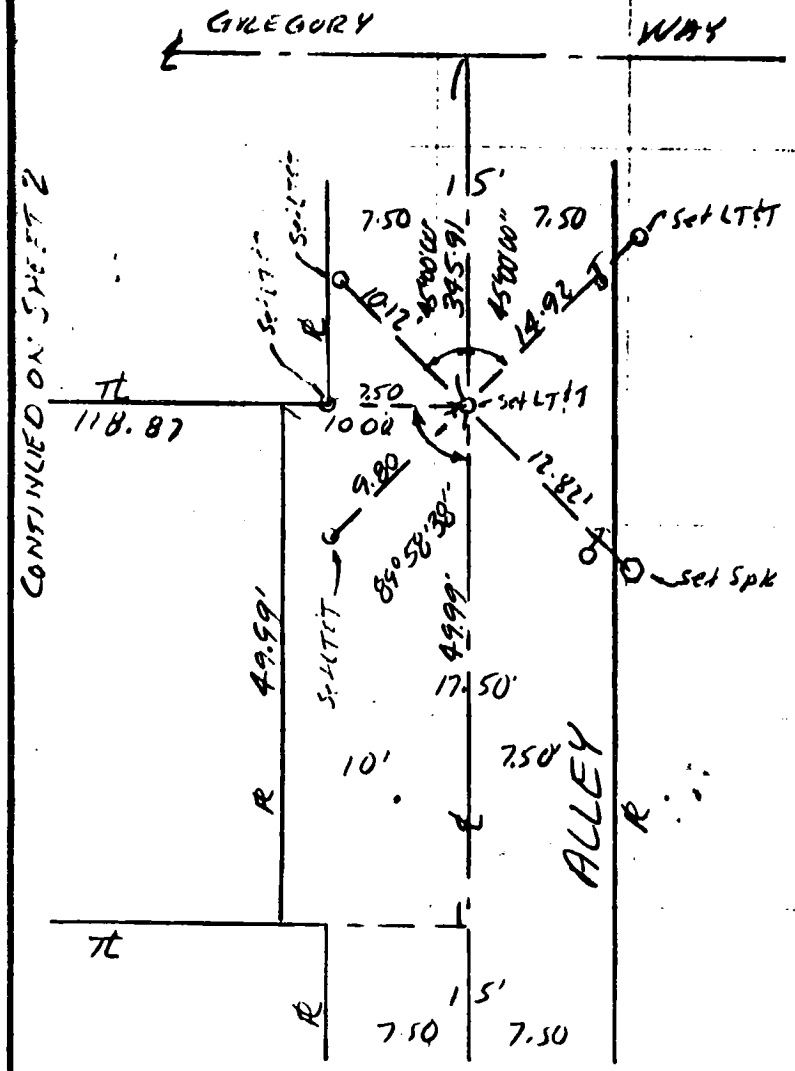
SO. CALIF. BLUE PRINT CO.

SURVEY OF _____ F. B. _____ Pg. 4

SURVEY BY SPINDLER ENGINEERING CORP TR. No. 35708

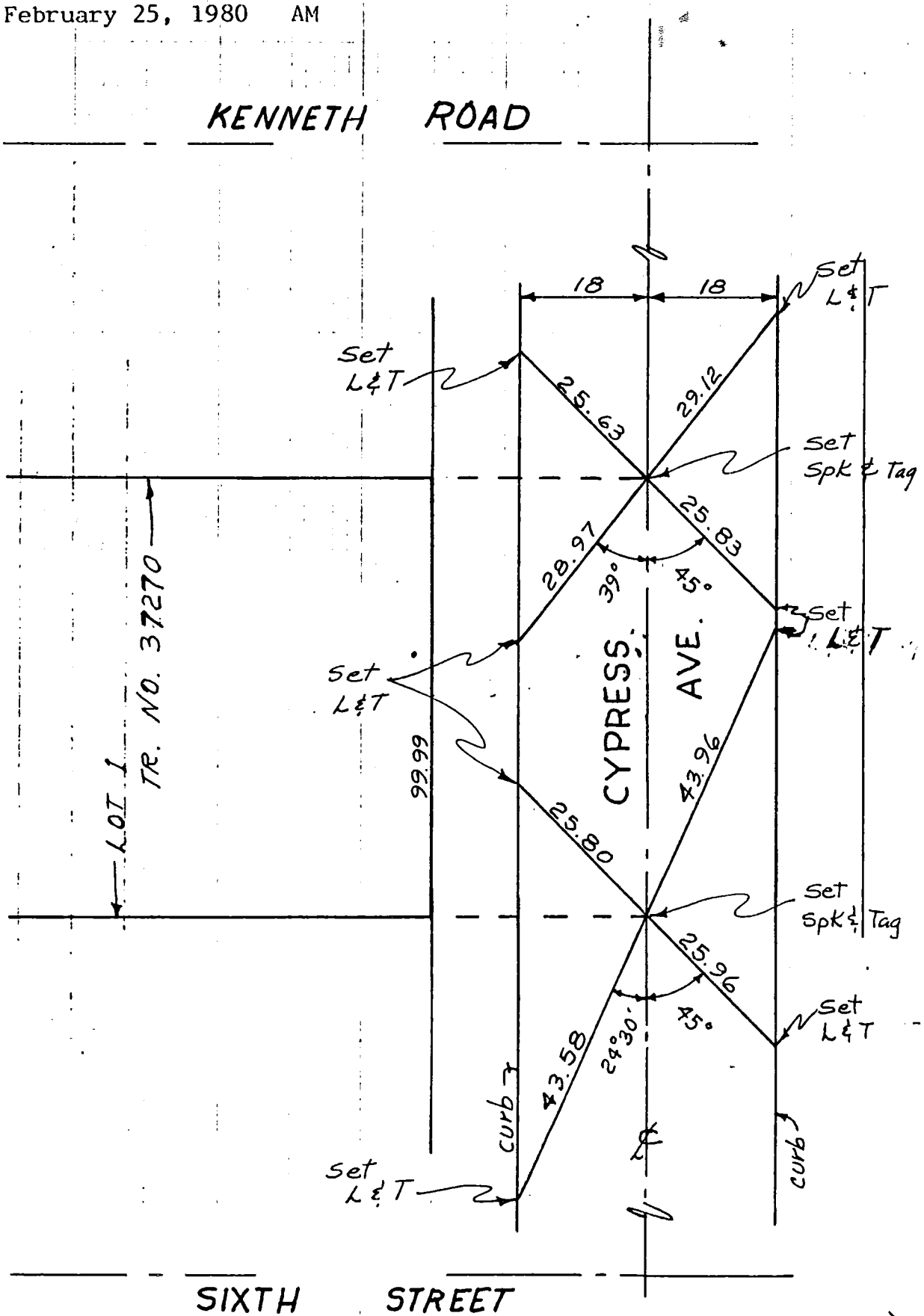
DATE MAY 1980

RONALD W. SPINDLER RCE 13194



CONTINUED ON SHEET 3

TRACT NO. 37270
Dyson Y. Hamner RCE 9840
February 25, 1980 AM

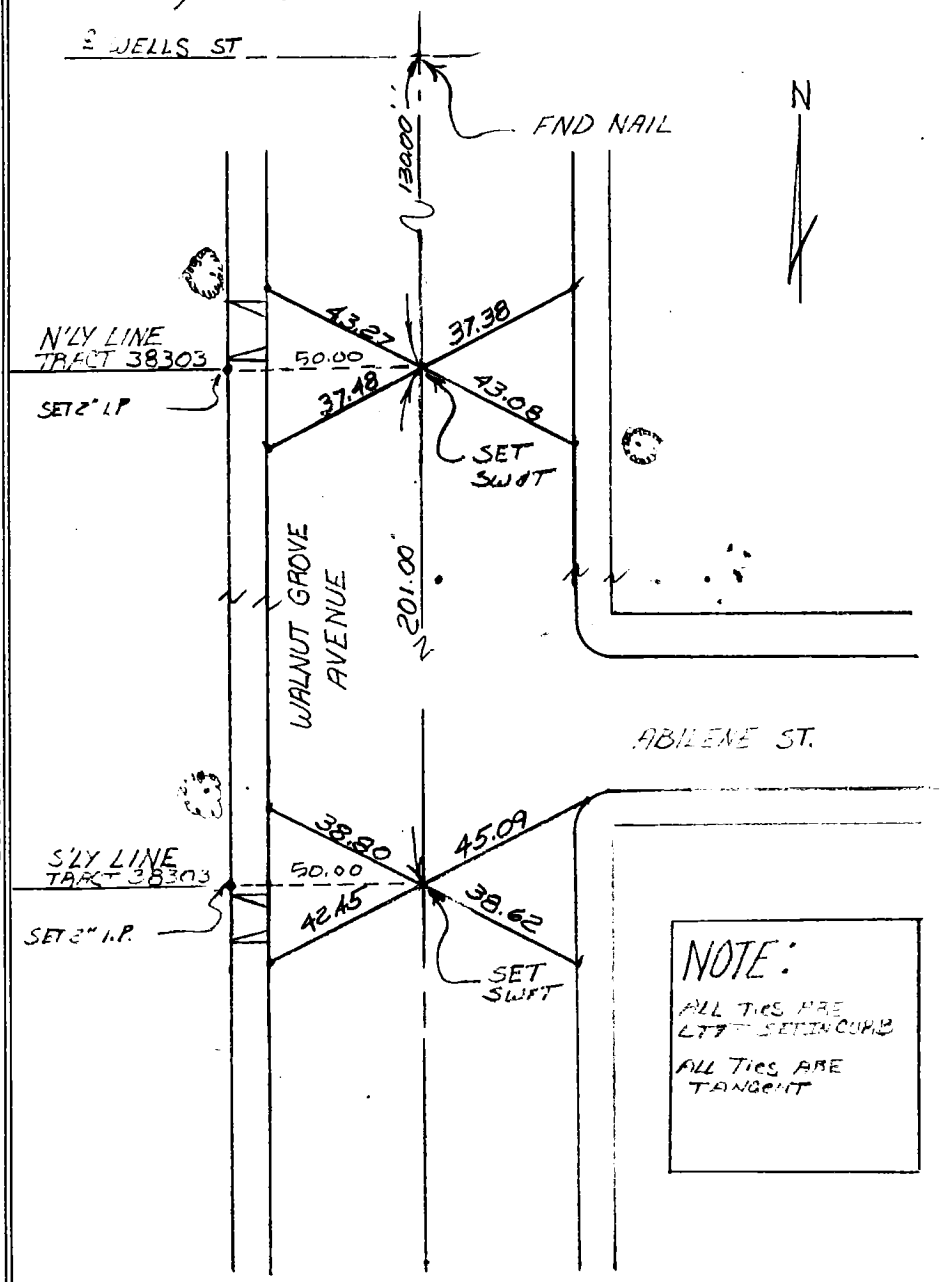


148 CO ENG FB 3596 - 148

SURVEY OF CENTERLINE TIES F B NO. PAGE

SURVEY BY JAMES E NELSON RCE 22406 TRACT NO. 38303

DATE MAY 15 1980



NOTE:
ALL TIES ARE LTFT SET IN CURB
ALL TIES ARE TANGENT

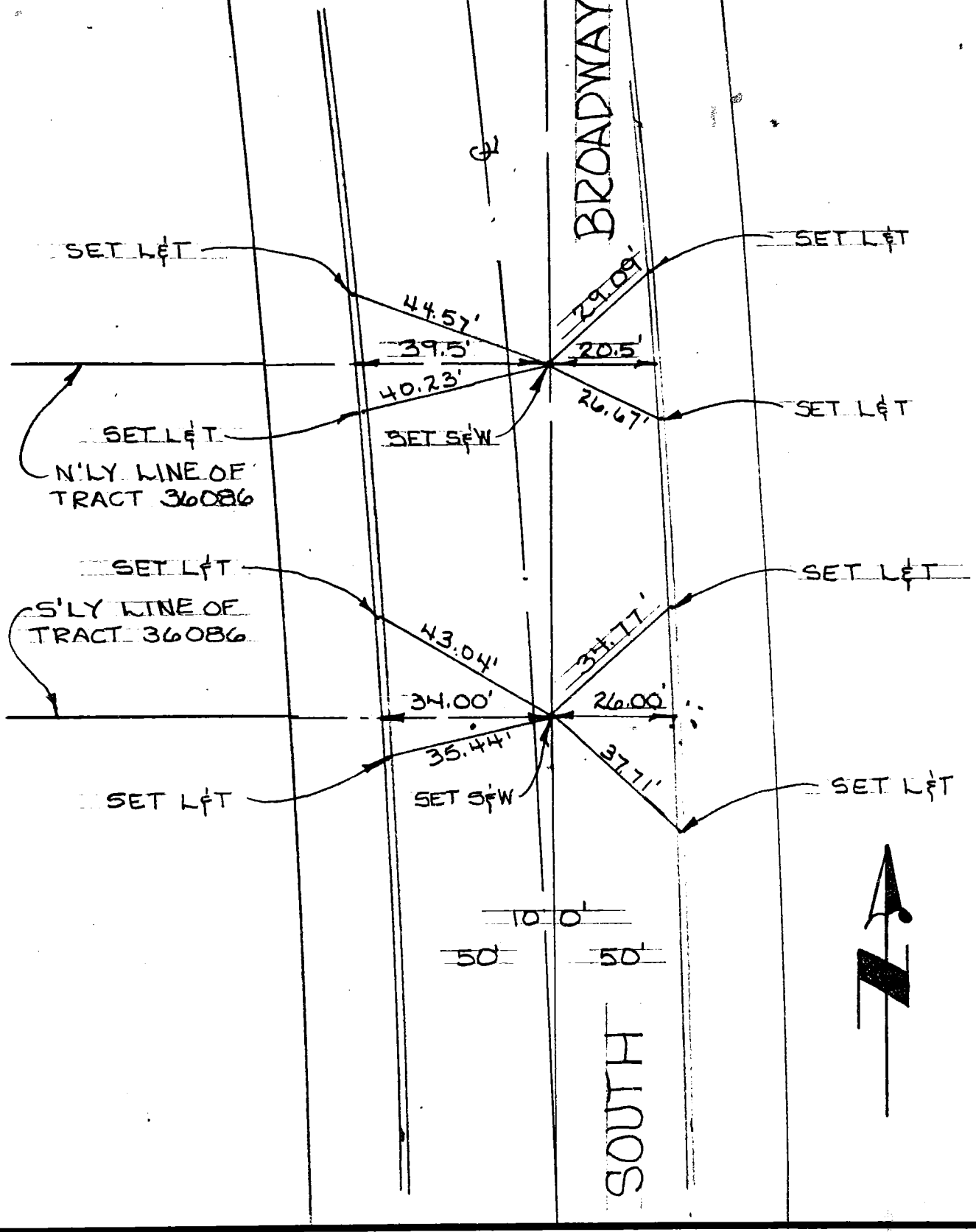
SURVEYORS SERVICE COMPANY ...STA MESA - STOCK NO. 411

W.S. 44 C-5

DO NOT EXTEND NOTES THIS SIDE OF LINE

149

CO ENG FB 3596-149



W.S. 25 B-5

SUBJECT ℄ TIES
FOR
TRACT 36086
MIKE HUBBARD

DATE 5/21/80

DENN ENGINEERS

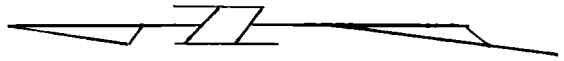
23751 Madison Street, Torrance, California 90505 378-0279

JOB NO. 188-78

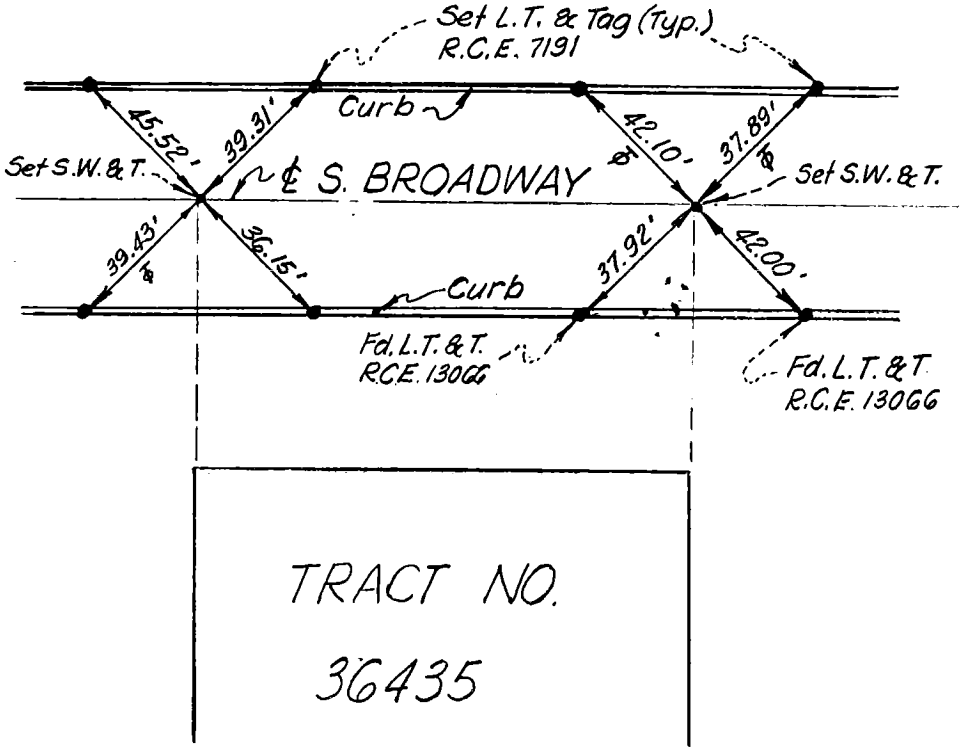
SHEET 1 OF 1

150 CO ENG FB 3596 - 150

SURVEY OF CENTERLINE TIES F B NO. PAGE
SURVEY BY SOUTH BAY ENGINEERING CORP TRACT NO. 36435 (REDONDO BEACH)
DATE 1-29-80 Job No. H-1212-4
ENGINEER: RAYMOND L. QUIGLEY, R.C.E. No. 7191 D1, DS1



NOT TO SCALE



TRACT NO.
36435

SURVEYORS SERVICE COMPANY, COSTA MESA - STOCK NO. 411

DO NOT EXTEND NOTES THIS SIDE OF LINE

152

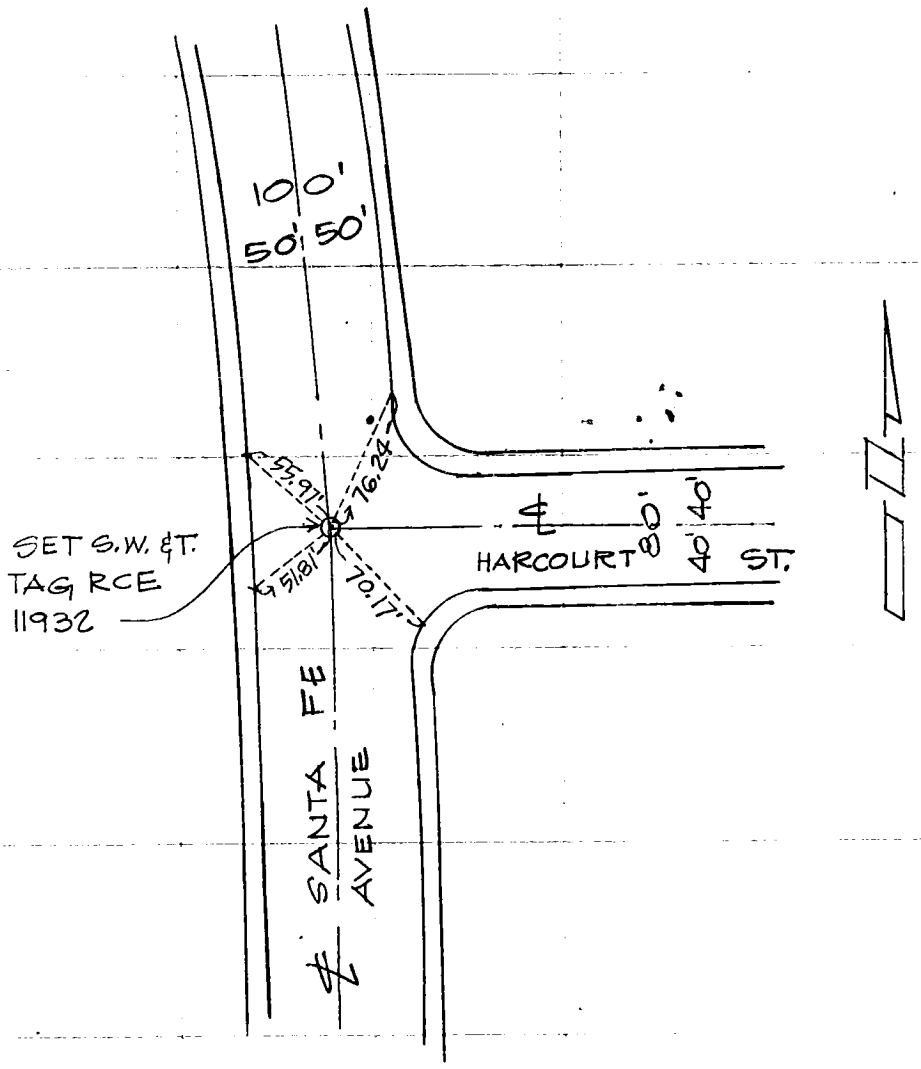
CO ENG FB 3596 = 152

SURVEY OF CENTERLINE TIES F. B. ____ PG. ____

SURVEY BY ERVIN ENGINEERING TR. NO. P.M. 11248

DATE MARCH, 1980

FRED F. ERVIN R.C.E 11932



NOTE

ALL TIES ARE L. & T.
IN CURB, UNLESS OTHERWISE NOTED

SO. CALIF. BLUE PRINT CO.

W.S. 32 4-J

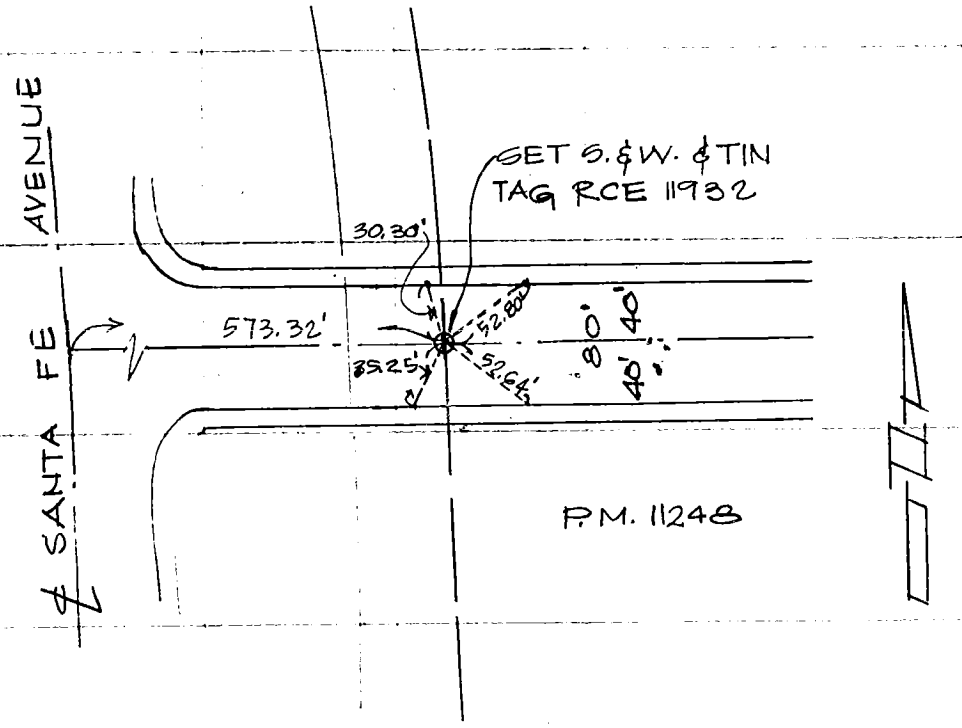
153 CO ENG FB 3596 - 153

SURVEY OF CENTERLINE TIES F. B. ____ PG. ____

SURVEY BY ERVIN ENGINEERING TR. No. P.M. 11248

DATE MARCH, 1980

FRED F. ERVIN, RCE 11932



SO. CALIF. BLUE PRINT CO.

NOTE

ALL TIES ARE L. & T. IN CURB, UNLESS OTHERWISE NOTED

CO ENG FB 3596 - 154

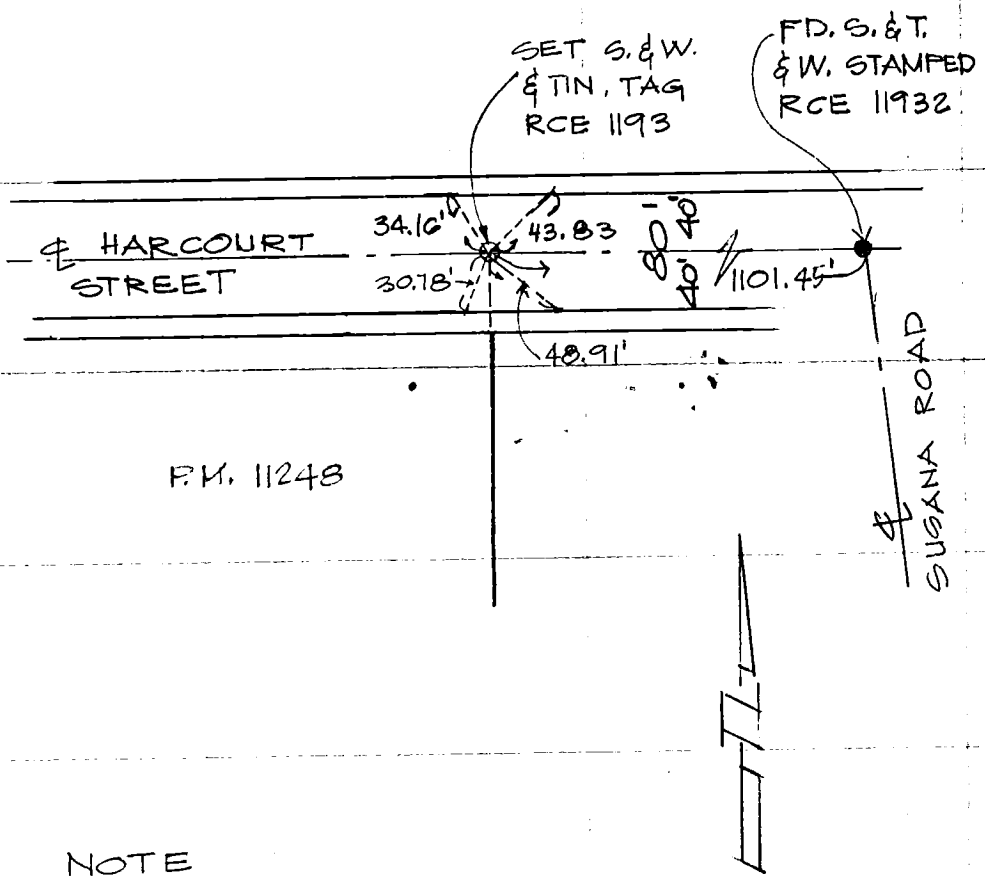
SURVEY OF CENTERLINE TIES F. B. ____ PG. ____

SURVEY BY ERVIN ENGINEERING TR. No. P.M. 11248

DATE MARCH, 1980

FRED F. ERVIN RCE 11932

W, S32, B-5



NOTE

ALL TIES ARE L. & T. IN CURB, UNLESS OTHERWISE NOTED.

SO. CALIF. BLUE PRINT CO.

Notes Ck'd by	Survey of USGS LINE 2
Map No.	JN 0080.02 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes RCW Date 5/22/80
Date	Tr No

F.B. 1002 PG. 5

RECEIVED
JUN 16 1980
L. A. COUNTY ENGINEER
SURVEY DIVISION

FIRST ORDER, CLASS THREE, PRECISE LEVELING

FOR

UNITED STATES GEOLOGICAL SURVEY

OFFICE OF EARTHQUAKE STUDIES, MENLO PARK CALIFORNIA

DATE OF SURVEY

4/23/80 to 5/5/80

PORTION OF LINE 2, GLENDALE TO SAUGUS

JUNCTION OF LINE 2 A

SURVEYORS CERTIFICATE

These field notes correctly represent a survey made by me or under my direction in conformance with the requirements of the Land Surveyors Act at the request of: ROSS STEIN, USGS, in April and May, 1980.

R. Clark Wilson

R. CLARK WILSON
Licensed Land Surveyor No. 3223

R. Clark Wilson
Licensed Land Surveyor
3309 Honolulu Avenue, La Crescenta, CA 91214
(213) 249-4406

Do not extend notes to this side of this line

CO ENG FB 3590 - 156

156

GLENDALE TO LEBEC

LINE 2

SECTION	MARK NUMBER	DISTANCE	DIFF. METERS	ELEVATION
78	09 01710	START		ø.øøøøø
79	BE 102	0.965	1.23125	1.23125
80	09 01799	2.201	10.11335	11.34460
81	B 787	3.494	10.43420	21.77880
82	R 1296	4.605	10.52650	32.30530
83	H 43	5.713	8.65645	40.96175
84	S 786	7.043	12.45540	53.41715
85	38 239	7.812	9.16450	62.58165
86	08 25560	9.013	15.17765	77.75930
87	U 786	9.834	10.85045	88.60975
88	08 25681	10.927	11.32550	99.93525
89	8 N 22	11.663	7.09210	107.02735
90	N 1296	12.854	9.92640	116.95375
91	W 786	13.480	6.24820	123.20195
92	V 786	14.302	6.32880	129.53075
93	RW 34 204	15.398	9.22090	138.75165
94	03 81685	16.652	6.44795	145.19960
95	6 L 22	17.556	11.65070	156.85030
96	N 898	18.591	9.47750	166.32780
97	P 1296	19.839	7.50100	173.82880
98	R 43	20.314	4.08055	177.90935
99	S 43	21.286	3.64645	181.55580
100	5 K 24	21.698	2.95220	184.50800
101	03 02430	22.900	10.22625	194.73425
102	03 02450	23.751	14.05355	208.78780
103	4 K20	24.382	7.14790	215.93570
104	M 1296	25.124	10.43205	226.36775
105	60-2	26.469	20.51275	246.88050
106	3120	27.639	-0.38485	246.49565
107	60-6	28.511	2.29265	248.78830
108	C 1142	29.253	17.70560	266.49390

GLENDALE TO LEBEC

LINE 2

SECTION	MARK NUMBER	DISTANCE	DIFF. METERS	ELEVATION
109	Q 898	30.411	24.42605	290.91995
110	J 1296	31.476	50.04450	340.96445
111	G 1145	32.088	33.34565	374.31010
112	H 1296	33.462	-51.30525	323.00485
113	K 1296	34.483	-44.36010	278.64475
114	J 1145	36.036	-19.27650	259.36825
115	A 971	36.456	-3.27700	256.09125
116	CHC 49	37.559	-13.97615	242.11510
117	Q 370	38.632	-12.87615	229.23895
118	L 1296	39.491	-7.42695	221.81200
119	R370	40.371	-6.27705	215.53495
120	C 1148	41.800	-5.27945	210.25550

MARK NUMBER C 1148 JUNCTION MARK, LINE 2 A

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
A. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

PRECISE LEVEL ABSTRACT

INDEXED:
LINK NO. 2 USGS TAPE No. 9 PARTY CHIEF RCW F.B. 1002
ABSTRACT BY: RCW DATE: 4-24-80 CHECKED BY: RCW J.N. 0280.02 PG. 6
DATE:

FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
01/05	40/50	09 01710	F		0.000				0.000		5.00000
02/01	7	BE 102	79	0.965	0.965	±1.23125		-0.01	-0.01	±1.23125	1.23125
02/02	50	BE 102	F	±							
03/01	8	09 01799	80	1.236	2.201	±0.11335		-0.13	-0.14	±0.11335	11.34460
03/02	50	09 01799	F								
03/14	9	B 787	81	1.293	3.494	±0.43420		+0.06	-0.08	±0.43420	21.77880
04/01	50	B 787	F								
04/11	10	R 1296	82	1.111	4.605	±0.52650		-0.08	-0.16	±0.52650	32.30530
04/12		R 1296	F								
03/12	11	H 43	83	1.108	5.713	±0.65645		-0.17	-0.33	±0.65645	40.96175
05/13	50	H 43	F		4.39						
07/03	12	S 786	84	1.330	7.043	±2.45540		+0.08	-0.25	±2.45540	53.41715
40/50	07/04	S 786									
09/03	13	38 239	85	0.769	7.812	±9.16450	2.63	+0.00	-0.25	±9.16450	62.58165
08/04	50	38 239									
09/06	14	08 25560	86	1.201	9.013	±5.17765	3.29	+0.19	-0.06	±5.17765	17.75930

LICENSED LAND SURVEYOR CLARK WILSON No. 3123 STATE OF CALIFORNIA

CO ENG FB 3596 - 158

(813) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

INDEXED:

PRECISE LEVEL ABSTRACT

LINK NO. 2 U565 TAPE No. 8 PARTY CHIEF RCW F.B. 1002 PG. 15
ABSTRACT BY: RCW DATE: 4-24-80 CHECKED BY: J.N. 0080.02 DATE:

159

CO ENG FB 3596 - 159

E 8	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
1	09/07	50	08 25560	F		9.013				-0.06		77.75930
2	10/05	16	U786	87	0.821	9.834	+10.85045	2.46	-0.03	-0.09	+10.85045	88.60975
2	10/07	50	U786	F								
7	11/09	17	08 25681	88	1.093	10.927	+11.32550	3.14	-0.06	-0.15	+11.32550	99.93525
3	11/10	50	08 25681	F								
	12/06	18	8N22	89	0.736	11.663	+7.09210	2.57	+0.02	-0.13	+7.09210	107.02735
7	12/07	50	8N22	F								
3	13/09	19	N1296	90	1.191	12.854	+9.92640	3.27	-0.04	-0.17	+9.92640	116.95375
	TAPE	8-B										
4	14/01	40/50	N1296	F								
5	14/03	20	W786	91	0.626	13.480	+6.24820	2.37	+0.02	-0.15	+6.24820	123.20195
6	14/04	50	W786	F								
5	14/14	21	V786	92	0.822	14.302	+6.32880	2.76	-0.02	-0.17	+6.32880	129.53075
9	15/01	50	V786	F								
6	16/01	22	RW34204	93	1.096	15.398	+9.22090	3.14	-0.20	-0.37	+9.22090	138.75165
6	16/02	50	RW34204	F		10.35						
7	17/06	23	08 81685	94	1.254	16.652	+6.44795	3.36	-0.07	-0.42	+6.44795	145.19960

LICENSED LAND SURVEYOR CLARK WILSON No. 3223 STATE OF CALIFORNIA

X

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

INDEXED:

PRECISE LEVEL ABSTRACT

LINK NO. 2 USGS TAPE No. 8 PARTY CHIEF RCW F.B. 1002 PG. 24
ABSTRACT BY: RCW DATE: 4-25-80 CHECKED BY: J.N. 0080.02
DATE:

E 8-B R	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
76	18/08	50	03 81685	B		16.652				-0.42		145.19960
4	19/08	25	6 L 22	95	0.904	17.556	-11.65070	2.85	+0.02	-0.40	+11.65070	156.85030
8	17/07	50	6L22	B								
6	18/07	26	N898	96	1.035	18.591	-9.47750	3.05	+0.06	-0.34	+9.47750	166.32780
1	20/06	50	N898	B								
0	21/06	27	P1296	97	1.248	19.839	-7.50100	3.35	-0.12	-0.46	+7.50100	173.82880
0	20/05	28	P1296	B								
0	19/13	40 50	R43	98	0.475	20.314	-4.08055	2.07	+0.05	-0.41	+4.08055	177.90935
1	21/07	50	R43	F								
2	21/08	29	S43	99	0.972	21.286	+3.64645	2.96	-0.07	-0.48	+3.64645	181.55580
3	21/09	50	S43	F								
9	22/01	30	5K24	100	0.412	21.698	+2.95220	1.93	+0.02	-0.46	+2.95220	184.50800
5	22/02	50	5K24	F								
7	23/02	31	03 02430	101	1.202	22.900	+10.22625	3.29	-0.19	-0.65	+10.22625	194.73425
7	23/03	50	03 02430	F		14.76						
0	23/13	32	03 02450	102	0.851	23.751	+14.05355	2.77	-0.03	-0.68	+14.05355	208.78780

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3122 STATE OF CALIFORNIA

160

CO ENG FB 3598 - 160

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

PRECISE LEVEL ABSTRACT

INDEXED:
LINK NO. 2 0562 TAPE No. 8-B PARTY CHIEF RCW F.B. 1002 PG. 33
ABSTRACT BY: RCW DATE: 5-1-80 CHECKED BY: RCW J.N. 0280.02 DATE:

8-B

	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
	23/14	50	03 02450	F		23.751				-0.68		208.18780
1	24/06	34	4K 20	103	0.631	24.382	±7.14790	2.38	-0.02	-0.70	±7.14790	215.93520
1	24/07	50	4K 20	F								
2	25/01	35	M1296	104	0.742	25.124	±0.43205	2.58	+0.03	-0.67	±0.43205	216.36775
	TAPE #		9-A									
3	01/01	40/50	M1296	F								
2	01/13	36	60-2	105	1.345	26.469	±0.51275	3.48	+0.01	-0.66	±0.51275	216.88050
5	01/14	50	60-2	F								
7	02/10	37	3120	106	1.170	27.639	±0.38485	3.24	-0.03	-0.69	±0.38485	216.49565
8	02/11	50	3120	F								
9	03/05	38	60-6	107	0.872	28.511	±2.29265	2.80	-0.11	-0.80	±2.29265	218.78830
9	03/06	50	60-6	F								
3	04/02	39	C1142	108	0.742	29.253	±1.70560	2.58	+0.02	-0.78	±1.70560	216.49390
4	04/03	50	C1142	F								
1	05/03	40	Q 898	109	1.158	30.411	±1.42605	3.23	-0.10	-0.88	±1.42605	290.91995
3	05/05	50	Q898	F		19.56						
	07/06	41	J1296	110	1.065	31.476	±0.04450	3.10	-0.03	-0.91	±0.04450	340.96445

LICENSED LAND SURVEYOR CLARK WILSON STATE OF CALIFORNIA

161

CO ENG FB 3596 - TOT 161

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

INDEXED:

PRECISE LEVEL ABSTRACT

LINK NO. 2 USGS TAPE No. 9-A PARTY CHIEF RCW F.B. 1002 PG. 42
ABSTRACT BY: RCW DATE: 5-1-80 CHECKED BY: J.N. 0080.02
DATE:

CO ENG FB 3598 - 162

162

E 9-A R.	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
3	07/08	40/50	J1296	F		31.476				-0.91		340.96445
7	08/12	43	G1145	111	0.612	32.088	+33.34565	2.35	+0.01	-0.90	+33.34565	374.31010
8	08/13	50	G1145	F								
76	11/09	44	H1296	112	1.374	33.462	-51.30525	3.52	+0.01	-0.89	-51.30525	323.00485
78	11/10	50	H1296	F								
39	13/05	45	K1296	113	1.021	34.483	-44.36010	3.03	-0.06	-0.95	-44.36010	278.64475
03	14/01	50	K1296	F								
23	15/05	46	J1145	114	1.553	36.036	-19.27650	3.74	-0.21	-1.16	-19.27650	259.36825
4	15/07	50	J1145	F								
8	15/11	47	A971	115	0.420	36.456	-3.27700	1.94	-0.04	-1.20	-3.27700	256.09125
9	15/12	50	A971	F								
6	16/12	48	CHC 49	116	1.103	37.559	-13.97615	3.15	+0.03	-1.17	-13.97615	242.11510
6	16/13	50	CHC 49	F								
9	18/01	49	Q370	117	1.073	38.632	-12.87615	3.11	+0.01	-1.16	-12.87615	229.23895
70	18/02	50	Q370	F								
32	18/14	50	L1296	118	0.859	39.491	-7.42695	2.78	+0.09	-1.07	-7.42695	221.81200

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3123 STATE OF CALIFORNIA

INDEXED:

PRECISE LEVEL ABSTRACT

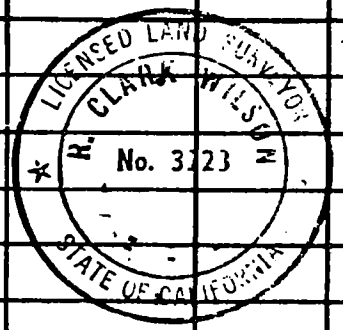
F.B. 1002 PG. 51

LINK NO. 2 USGS TAPE No: PARTY CHIEF RCW J.N. 0080.02

ABSTRACT BY: RCW DATE: 5-5-80 CHECKED BY: DATE: 5-3-80

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

9B	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	DIVERGENCE 3mm $\sqrt{K}$ RUN	DIVERGENCE 3mm $\sqrt{K}$ TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
7	19/01	50	L1296	F		39.491				-1.07		221.81200
5	20/01	52	R370	119	0.880	40.371	$\bar{6}$.27705	2.81	+0.03	-1.04	$\bar{6}$.27705	215.53495
6	20/02	50	R370	F								
2	21/12	53	C1148	120	1.429	41.800	$\bar{5}$.27945	3.59	-0.19	-1.23	$\bar{5}$.27945	210.25550
			C1148	JUNCTION	MARK - LINE 2A							



LICENSED LAND SURVEYOR R. CLARK WILSON No. 3123 STATE OF CALIFORNIA

A. Clark Wilson
Licensed Land Surveyor
(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

Notes Ck'd by	Survey of USGS LINE 2 A
Map No.	JN 0080.02 Tape Std °F
Office Work	Surveyed by RC Wilson
Checked	Notes RCW Date 5/22/80
Date	Tr No

F.B. 1003 PG. 5

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3223 5/22/80 STATE OF CALIFORNIA

R. Clark Wilson
Licensed Land Surveyor
3309 Honolulu Avenue, La Crescenta, CA 91214
(213) 249-4406

Do not extend notes beyond this line

FIRST ORDER, CLASS THREE, PRECISE LEVELING

FOR

UNITED STATES GEOLOGICAL SURVEY

OFFICE OF EARTHQUAKE STUDIES, MENLO PARK, CALIFORNIA

DATE OF SURVEY

5/6/80 TO 5/22/80

SAUGUS TO PALMDALE AREA LINE 2 A

SURVEYORS CERTIFICATE

These field notes correctly represent a survey made by me or under my direction in conformance with the requirements of the Land Surveyors Act at the request of: ROSS STEIN, USGS, in May, 1980.

R. Clark Wilson

R. Clark Wilson
Licensed Land Surveyor No. 3223

FIELD NOTES

USGS LINE 2 A

SECTION	MARK NUMBER	DISTANCE	DIFF. METERS	ELEVATION
1	C 1148	START		0.00000
2	X 898	0.057	0.40600	0.40600
3	Y 898	1.475	18.08485	18.49085
4	201-119A	2.950	1.35350	19.84435
5	Y 984	3.902	6.03030	25.87465
6	201-116B	4.848	11.06965	36.94430
7	201-115A	5.606	8.25848	45.20278
8	E 1290	6.584	13.13110	58.33388
9	Z 1290	7.248	9.23995	67.57383
10	201-111A	8.520	7.54740	75.12123
11	201-110A	9.315	11.99370	87.11493
12	201-109	10.080	10.66000	97.77493
13	201-108	10.865	13.05920	110.83413
14	201-107	11.727	13.27460	124.10873
15	201-106	12.491	11.24330	135.35203
16	201-105	13.303	12.19120	147.54323
17	201-104	14.185	17.25795	164.80118
18	201-103	14.895	7.30185	172.10303
19	201-101	16.119	20.20040	192.30343
20	145-02690	17.551	28.75060	221.05403
21	201-98	18.570	14.97815	236.03218
22	145-03540	19.816	19.95060	255.98278
23	201-95	20.828	16.58830	272.57108
24	201-94	21.457	11.82895	284.40003
25	201-93	22.306	15.99475	300.39478
26	201-92	23.414	35.66865	336.06343
27	201-91	24.191	25.90805	361.97148
28	201-90	25.063	19.29430	381.26578
29	201-89	25.772	15.32425	396.59003
30	201-88	26.723	54.80020	451.39023
31	Z 1303	27.425	30.91367	482.30390
32	201-86	28.446	-1.64297	480.66093
33	201-85	29.343	11.48690	492.14783

USGS LINE 2 A

SECTION	MARK NUMBER	DISTANCE	DIFF. METERS	ELEVATION
34	201-84	30.166	11.51545	503.66328
35	201-83	31.131	5.09417	508.75745
36	Y 1303	32.497	48.23955	556.99700
37	201-81	33.297	29.28712	586.28412
38	201-80	34.158	48.58730	634.87142
39	201-79	35.131	46.80330	681.67472
40	201-78	35.921	-25.97902	655.69570
41	201-77	36.846	-32.80725	622.88845
42	201-76a	38.262	-35.52805	587.36040
43	201-75	39.444	-15.56213	571.79827
44	201-74	40.178	-8.06362	563.73465
45	201-73B	41.142	-12.67385	551.06080
46	G 1290	41.948	7.67975	558.74055
47	201-71	42.831	19.31045	578.05100
48	201-70	43.679	9.65387	587.70487
49	201-69	44.704	-23.20602	564.49885
50	201-68	45.617	23.13542	587.63427
51	201-67	46.778	13.90650	601.54077
52	201-65B	48.122	20.46515	622.00592
53	V 431	49.161	1.39707	623.40299
54	S 431	49.868	8.35365	631.75664
55	M 431 RESET	51.030	-7.64868	624.10797
56	N 899	51.940	-40.82502	583.28295
57	LOFT 2 RM 1	52.822	-28.48685	554.79610
58	LOFT 2	52.838	0.90925	555.70535
59	U 899	52.853	-0.49175	555.21360

LOFT 2 RM 1, LOFT 2, and U 899 are the junction marks for the SCRP Line 14 and SCRP Line 6.

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

R. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

LINK NO. 2A TAPE No. 10 PARTY CHIEF RCW F.B. 1003 PG. 6
ABSTRACT BY: RCW DATE: 5-6-80 CHECKED BY: DATE: J.N. 0080.02

10 A	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
4	01/02	40/50	C1148	F		0.000				0.00		0.00000
6	01/04	7	X898	2	.057	0.057	+0.40600	1.50	-0.02	-0.02	+0.40600	0.40600
7	01/05	50	X898	F								
0	02/13	8	Y898	3	1.418	1.475	+18.08485	3.57 ~~4.25~~	-0.11	-0.13	+18.08485	18.49085
1	02/14	50	Y898	F								
1	04/13	9	201-119A	4	1.475	2.950	+1.35350	3.64	+0.04	-0.09	+1.35350	19.84435
4	04/14	50	201-119A	F								
0	05/12	10	Y984	5	0.952	3.902	+6.03030	2.93	-0.08	-0.17	+6.03030	25.87465
1	05/13	50	Y984	F								
7	06/10	11	201-116B	6	0.946	4.849	+11.06965	2.92	-0.01	-0.18	+11.06965	36.94430
3	06/11	50	201-116B	F								
2	07/08	12	201-115A	7	0.758	5.606	+8.25848	2.61	+0.04	-0.14	+8.25848	45.20278
-	07/10	40/50	201-115A	F								
0	08/06	13	E1290	8	0.978	6.584	+13.13110	2.97	+0.06	-0.08	+13.13110	58.33388
	08/07	50	E1290	F		4.50						
	09/03	14	Z1290	9	0.664	7.248	+9.23995	2.44	+0.01	-0.07	+9.23995	67.57383

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3223 STATE OF CALIFORNIA

167

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(213) 849-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

INDEXED:
LINK NO. 10A DATA 40/50
ABSTRACT BY: RCW TAPE No. 10 PARTY CHIEF RCW
DATE: 5-23-85 CHECKED BY: DATE:
F.B. 1003 PG. 15
J.N. 0040.02

FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
09/06	50	Z 1290	F		7.248				-0.07		67.57383
10/06	16	201-111A	10	1.272	8.520	+1.54740	3.38	-0.02	-0.09	+1.54740	75.12123
10/05	50	201-111A	F								
11/01	17	201-110A	11	0.795	9.315	+1.99370	2.67	+0.04	-0.05	+1.99320	87.11493
11/02	50	201-110A	F								
11/12	18	201-109	12	0.765	10.080	+0.66000	2.62	-0.08	-0.13	+0.66000	97.77493
11/13	50	201-109	F								
12/09	19	201-108	13	0.785	10.865	+3.05920	2.82	-0.02	-0.15	+3.05920	110.83413
12/10	50	201-108	F								
13/06	20	201-107	14	0.862	11.727	+3.27460	2.79	-0.04	-0.19	+3.27460	124.10873
10-B											
14/01	50	201-107	F								
14/11	21	201-106	15	0.764	12.491	+1.24330	2.62	+0.06	-0.13	+1.24330	135.35203
14/13	40/50	201-106	F								
15/09	22	201-105	16	0.812	13.303	+2.19120	2.70	-0.02	-0.15	+2.19120	147.54325
15/10	50	201-105	F		8.31						
16/08	23	201-104	17	0.882	14.185	+1.25795	2.82	+0.01	-0.14	+1.25795	164.80118

LICENSED LAND SURVEYOR CLARK WILSON 2326 STATE OF CALIFORNIA

CO ENG FB 3596, - 168

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

R. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

LINK NO. 2A USGS TAPE No. 10-B PARTY CHIEF RCW F.B. 1003 PG. 24
ABSTRACT BY: RCW DATE: 5-13-80 CHECKED BY: DATE: J.N. 0080.02

10-B	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
3	16/09	50	201-104	F		14.185				-0.14		164.80118
5	17/05	25	201-103	18	0.710	14.895	+7.30185	2.53	-0.07	-0.21	+7.30185	172.10303
7	17/06	50	201-103	F								
2	18/08	26	201-101	19	1.224	16.119	+20.20040	3.32	+0.04	-0.17	+20.20040	192.30343
7	18/09	50	201-101	F								
5	19/14	27	145-02690	20	1.432	17.551	+28.75060	3.59	0.00	-0.17	+28.75060	221.05403
5	20/01	50	145-02690	F		11.54						
2	21/03	28	201-98	21	1.019	18.570	+14.97815	3.03	-0.01	-0.18	+14.97815	236.03218
3	21/05	40/50	201-98	F								
8	22/05	29	145-03540	22	1.246	19.816	+19.95060	3.35	-0.10	-0.28	+19.95060	255.98278
7	22/06	50	145-03540	F								
7	23/06	30	201-95	23	1.012	20.828	+16.58830	3.02	-0.08	-0.32	+16.58830	272.57108
	23/07	50	201-95	F								
	24/01	31	201-94	24	0.629	21.457	+11.82895	2.38	+0.05	-0.27	11.82895	284.40003
						13.96						
7	24/02	50	201-94	F		22.306						
3	24/14	32	201-93	25	0.849		+15.99475	2.76	-0.11	-0.38	+15.99475	300.39478

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3221 STATE OF CALIFORNIA

169

CO ENG FB 3596 - 169

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

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PRECISE LEVEL ABSTRACT

LINK NO. 2A USGS TAPE No. PARTY CHIEF RCW F.B. 1003 PG. 33
ABSTRACT BY: RCW DATE: 5-15-80 CHECKED BY: ✓ J.N. 0080.02 DATE: 5-23-80

170

	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
9	25/01	50	201-93	F		22.306				-0.38		300.39478
2	26/07	34	201-92	26	1.108	23.414	+35.66865	3.16	-0.09	-0.47	+35.66865	336.06343
ARE		11-A										
4	01/01	50	201-92	F								
0	02/01	35	201-91	27	0.777	24.191	+25.90805	2.64	-0.03	-0.50	+25.90805	361.97148
0	02/02	50	201-91	F		15.57						
2	02/14	36	201-90	28	0.872	25.063	+19.29430	2.80	+0.08	-0.42	+19.29430	381.26578
	03/04	40/50	201-90	F								
	04/02	37	201-89	29	0.709	25.772	+15.32425	2.53	-0.01	-0.43	+15.32425	396.59003
	04/03	50	201-89	F								
3	06/01	38	201-88	30	0.951	26.723	+54.80020	2.93	+0.04	-0.39	+54.80020	451.39023
7	06/02	50	201-88	F								
0	07/04	39	Z 1303	31	0.702	27.425	+30.91367	2.51	-0.03	-0.42	+30.91367	482.30390
	07/05	50	Z 1303	F								
	08/05	40	201-86	32	1.021	28.446	-1.64297	3.03	-0.04	-0.46	-1.64297	480.66093
	08/06	50	201-86	F		18.23						
	09/06	41	201-85	33	0.897	29.343	+11.48690	2.82	+0.02	-0.44	+11.48690	492.14783

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3227 STATE OF CALIFORNIA

CO ENG FB 3398 - 170

170

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

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PRECISE LEVEL ABSTRACT

LINK NO. 2A USGS TAPE No. PARTY CHIEF RCW
ABSTRACT BY: RCW DATE: 5-16-80 CHECKED BY: ✓
F.B. 1003 PG. 43
J.N. 0080.02
DATE: 5-23-80

11-A	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
2	09/07	50	201-85	F		29.343				-0.44		492.14783
1	10/05	42	201-84	34	0.823	30.166	+11.51545	2.72	+0.04	-0.40	+11.51545	503.66328
3	10/06	50	201-84	F		17.34						
7	11/08	44	201-83	35	0.965	31.131	+5.09417	2.95	+0.12	-0.28	+5.09417	508.75745
5	11/10	40/50	201-83	F								
3	13/08	45	Y 1303	36	1.366	32.497	+48.23955	3.51	+0.00	-0.28	+48.23955	556.99700
11-B												
4	14/01	50	Y 1303	F								
4	15/06	46	201-81	37	0.800	33.297	+29.28712	2.68	-0.07	-0.35	+29.28712	586.28412
25	15/07	50	201-81	F								
55	17/03	47	201-80	38	0.861	34.158	+48.58730	2.78	-0.01	-0.35	+48.58730	634.87142
6	17/04	50	201-80	F								
1	19/04	48	201-79	39	0.973	35.131	+46.80330	2.96	+0.05	-0.30	+46.80330	681.67472
2	19/05	50	201-79	F								
5	20/10	49	201-78	40	0.790	35.921	-25.97902	2.67	-0.02	-0.32	-25.97902	655.69570
8	20/12	40/50	201-78	F		22.90						
7	22/02	50	201-77	41	0.925	36.846	-32.80725	2.89	+0.03	-0.29	-32.80725	622.88845

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3223 STATE OF CALIFORNIA

CO ENG FB 3596 - 171

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

22.90

INDEXED:

PRECISE LEVEL ABSTRACT

LINK NO. 2A USGS TAPE No. PARTY CHIEF RCW F.B. 1003 PG. 51
ABSTRACT BY: RCW DATE: 5-19-80 CHECKED BY: DATE: 5-23-80 J.N. 0080.02

11-B	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
7	22/03	50	201-77	F		38.846				-0.29		622.88845
7	24/01	52	201-76A	42	1.417	40.263 38	-35.52805	3.57	-0.16	-0.45	-35.52805	587.36040
1	24/03	50	201-76A	F								
5	25/10	53	201-75	43	1.181	41.444 39	-15.56213	3.26	-0.02	-0.47	-15.56213	571.79827
TART TAPE 12-A												
3	01/01	50	201-75	F		40						
7	02/01	54	201-74	44	0.734	42.178	-8.06362	2.57	-0.19	-0.66	-8.06362	563.73465
7	02/03	40/50	201-74	F		41						
8	03/07	55	201-73 B	45	0.964	43.142	-12.67385	2.75	-0.02	-0.68	-12.67385	551.06080
7	03/08	50	201-73B	F		41						
3	04/08	56	G1290	46	0.806	43.948	+7.67975	2.69	+0.07	-0.61	+7.67975	558.74055
7	04/09	50	G1290	F		42						
7	05/11	57	201-71	47	0.883	44.831	+19.31045	2.82	-0.03	-0.64	+19.31045	578.05100
3	05/12	50	201-71	F		43						
8	06/14	58	201-70	48	0.866	45.679	+9.65387	2.79	-0.03	-0.67	+9.65387	587.70487
2	07/01	50	201-70	F		44						
1	08/02	59	201-69	49	1.025	46.704	-23.20602	3.04	-0.17	-0.84	-23.20602	564.49885

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3223 STATE OF CALIFORNIA

172

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(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

A. Clark Wilson
Licensed Land Surveyor

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173

CO ENG RB 3596 - 17
173

INDEXED:

PRECISE LEVEL ABSTRACT

LINK NO. 2A USGS TAPE No. PARTY CHIEF RCW F.B. 1003 PG. 60
ABSTRACT BY: RCW DATE: 5-20-80 CHECKED BY: J.N. 0080.02
DATE: 5-23-80

2A FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
08/03	50	201-69	F		44.704				-0.84		564.49885
10/06	61	201-68	50	0.913	45.617	+23.13542	2.87	-0.04	-0.88	+23.13542	587.63427
10/07	50	201-68	F		46						
11/12	62	201-67	51	1.161	48.778	+13.90650	3.23	-0.12	-1.00	+13.90650	601.54077
12/03	40/50	201-67	F		48						
13/13	63	201-65B	52	1.344	50.122	+20.46515	3.48	-0.02	-1.02	+20.46515	622.00592
14/01	50	201-65B	F		49						
15/05	64	V431	53	1.040	51.161	+1.39707	3.06	-0.06	-1.08	+1.39707	623.40299
15/06	50	V431	F		49						
16/07	65	S431	54	0.706	51.868	+8.35365	2.52	+0.01	-1.07	+8.35365	631.75664
16/08	50	S431	F		51						
17/14	66	M431 (R)	55	1.162	53.030	-7.64867	3.23	+0.04	-1.03	-7.64867	624.10797
20/12	50	M431	B								
19/06	70	N899	56	0.910	51.940	+40.82502	2.86	-0.01	-1.04	-40.82502	583.28295
		#									
19/05	50	N899	B								
18/05	69	LOFT 2 AM 1	57	0.882	52.822	+28.48685	2.82	0.00	-1.04	-28.48685	554.79610

LICENSED LAND SURVEYOR CLARK WILSON No. 7223 STATE OF CALIFORNIA

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

INDEXED:

LINK NO. 24 USES TAPE No. 12-B PARTY CHIEF RCW F.B. 1003 PG. 21
ABSTRACT BY: RCW DATE: 5-22-87 CHECKED BY: DATE: 6-25-87 J.N.

FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
19/04	50	LOFT 2 RM 1	B		52.822				-1.04		554.79610
19/03	68	LOFT 2	58	0.016	52.838	-0.90925	1.50	-0.01	-1.05	+0.90925	555.70535
19/02	67	LOFT 2	B								
19/01	50	U899	59	0.015	52.853	+0.49175	1.50	-0.01	-1.06	-0.49175	555.21360
					52.85						

LICENSED LAND SURVEYOR * R. CLARK WILSON * No. 3123 * STATE OF CALIFORNIA

174

CO ENG FB 3596 - 174

3196 - 175

CO ENG FB 3596 - 175

Notes Ck'd by	Survey of USGS LINE 3
Map No.	JN 0080.02 Tape Std °F
Office Work	Surveyed by R.C. Wilson
Checked	Notes RCW Date 6-30-80
Date	Tr No

F.B. 1004 PG. 5

LICENSED LAND SURVEYOR R. CLARK WILSON No. 3223 STATE OF CALIFORNIA
9-25-80

R. Clark Wilson
Licensed Land Surveyor
3309 Honolulu Avenue, La Crescenta, CA 91214
(213) 249-4406

Do not extend notes this side of this line

CENTERLINE NOTES

FIRST ORDER, CLASS THREE, PRECISE LEVELS

FOR

UNITED STATES GEOLOGICAL SURVEY

OFFICE OF EARTHQUAKE STUDIES, MENLO PARK CALIFORNIA

DATE OF SURVEY

6/30/80 TO 7/25/80

LINE 3, AZUSA TO ISLIP SADDLE

SURVEYORS CERTIFICATE

These field notes correctly represent a survey made by me or under my direction in conformance with the requirements of the Land Surveyors Act at the request of: ROSS STEIN, USGS in July, 1980.

R. Clark Wilson

R. CLARK WILSON

Licensed Land Surveyor No. 3223

AZUSA TO ISLIP SADDLE

LINE 3

SECTION	MARK NUMBER	DISTANCE	DIFF: METERS	ELEVATION
1	11-27A	START		163.77782
2	11-25A	0.790	-6.53095	157.24687
3	11-26A	1.100	0.77945	158.02632
4	Z 1222 V	2.723	19.16429	177.19061
5	D 96 V	3.254	9.11200	186.30261
6	B 170	4.372	16.58497	202.88758
7	P 1151 V	5.215	10.67097	213.55855
8	D 170	6.227	12.34027	225.89882
9	F 170	7.973	29.88555	255.78437
10	G 170	8.625	31.67740	287.46177
11	L 170	9.385	43.72920	331.19097
12	H 170	10.237	44.97945	376.17042
13	J 170	11.700	26.14222	402.31264
14	A 1222	13.239	-34.81055	367.50209
15	N 170	14.262	51.39353	418.89562
16	P 170	15.397	52.79868	471.69430
16A	Q 1101 V	16.148	29.80063	501.49493
17	R 170	17.102	7.57754	509.07247
18	S 170	18.193	-15.85832	493.21415
19	B 1222	19.055	-23.22802	469.98613
20	C 1222	19.955	1.57907	471.56520
21	T 1151	21.046	-19.36512	452.20008
21A	44 FMK	22.133	7.40437	459.60445
22	U 1151	23.200	20.97053	480.57498
23	V 170	23.821	24.29327	504.86825
24	X 1151 RESET	24.698	62.03870	566.90695
25	V 1151	25.775	56.26830	623.17525
26	R 115	27.217	70.19060	693.36585
27	E 1222	28.464	79.22800	772.59385
28	F 1222	29.301	67.68705	840.28090

SECTION	MARK NUMBER	DISTANCE	DIFF: METERS	ELEVATION
29	G 1222	30.313	76.89207	917.17297
30	H 1222	30.623	19.37770	936.55067
31	B 171	31.886	63.77889	1000.32656
32	D 1152 V	32.719	42.63155	1042.96111
33	R 116	33.492	18.65652	1061.61763
34	H 1166	34.666	62.62192	1124.23955
35	J 1222	35.727	52.50538	1176.74493
36	K 1222	36.870	70.22617	1246.97110
37	K 1166	38.027	66.01882	1312.98992
38	L 1222	39.018	68.95465	1381.94457
39	M 1222	39.562	38.80835	1420.75292
40	N 1222	40.722	88.05347	1508.80639
41	R 1167	41.449	45.26027	1554.06666
42	42.543	42.543	51.85417	1605.92083
43	5431.98	43.639	50.11780	1656.03863
44	T 1167 V	44.156	24.58280	1680.62143
45	Q 1222 V	45.035	28.93267	1709.55410
46	N 1166 V	46.014	21.08387	1730.63797
47	P 1222	46.815	48.40808	1779.04605
48	U 1167 V	47.569	42.08732	1821.13337

BREAK_____SLIDE AREA_____SECTION NOT RUN DUE TO ROAD CLOSEURE

49	6130.50	47.569**		1821.05278*
50	V 1167	48.435	44.89667	1865.94945
51	6501.84	49.729	67.98432	1933.93377
52	B 1167	50.512	38.86705	1972.80082
53	P 1166	51.142	21.43917	1994.23991

* ELEVATION OF 1978 ACCEPTED AS GOOD, unable to rerun this section

**MILEAGE DOES NOT INCLUDE SECTION UNABLE TO RERUN

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

290648

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PRECISE LEVEL ABSTRACT

INDEXED:
LINK NO. 3 USES
ABSTRACT BY: RCW
TAPE NO. 19-A
DATE: 6-30-82
PARTY CHIEF RCW
CHECKED BY:
DATE:
F.B. 1004
J.N. 0220.02
PG. 6

TAPE 19-A CTR	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
006	01/04	49/50	11-27A	F		0.000				0.000		163.77782
020	02/02	7	11-25B	2	0.790	0.790	-6.53095	2.67	-0.50	-0.50	-6.53095	157.24687
021	02/03	50	11-25B	F								
025	02/07	8	11-26A	3	0.310	1.100	+0.77915	1.67	-0.15	-0.65	+0.77915	158.02632
026	02/08	50	11-26A	F								
054	04/02	9	Z 1222 (V)	4	1.623	2.723	+9.16429	3.82	+0.15	-0.50	+9.16429	177.19061
055	04/04	50	Z 1222 (V)	F								
063	04/13	10	D96 (V)	5	0.531	3.254	+2.11200	2.79	+0.35	-0.15	+9.11200	186.30261
064	04/14	50	D96 (V)	F								
090	06/03	11	B170	6	1.118	4.372	+16.58497	3.17	-0.05	-0.20	+16.58497	202.88758
091	06/04	50	B170	F		3.24						
111	07/05	12	P1151 (V)	7	0.843	5.215	+10.67097	2.75	+0.55	+0.35	+10.67097	213.55855
113	07/07	49/50	P1151 (V)	F								
132	08/08	13	D170	8	1.012	6.227	+12.34027	3.02	-0.35	+0.00	+12.34027	225.89882
134	08/09	50	D170	F								255.
173	10/07	14	F170	9	1.746	7.973	+29.88555	3.96	-1.20	-1.20	+29.88555	256.18137

LICENSED LAND SURVEYOR CLARK WILSON No. 3228 STATE OF CALIFORNIA
Clark Wilson

178

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(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
A. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

INDEXED:
LINK NO. 3 USGS TAPE No. 19 PARTY CHIEF RCW FB 1004 PG. 15
ABSTRACT BY: RCW DATE: CHECKED BY: DATE: J.N. 0080.02

TAPE CTR	TAPE FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	DIVERGENCE 3mm $\sqrt{K}$ RUN	DIVERGENCE 3mm $\sqrt{K}$ TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
174	19/08	50	F170	F		1.973				-1.20		255.78457
202	11/12	16	G170	10	0.652	8.625	±31.67140	2.37	0.00	-1.20	±31.67140	287.46177
203	11/13	50	G170	F								
247	13/09	17	L170	11	0.760	9.385	±43.72920	2.61	-0.60	-1.80	±43.72920	331.19097
004	14/01	50	L170	F								
031	15/13	18	H170	12	0.852	10.237	±44.97745	2.77	+0.10	-1.90	±44.97745	376.17042
032	15/12	49/50	H170	F								
075	18/05	19	J170	13	1.463	11.700	±26.14222	2.33	-1.75	-3.45	±26.14222	402.31264
075	18/06	50	J170	F								
121	20/12	20	A1222	14	1.539	13.239	-34.81055	3.72	-0.40	-3.85	-34.81055	367.50209
125	21/02	49/50	A1222	F								
126	21/03	21	N170	15	1.023	14.262	±51.39353	3.03	+0.60	-3.25	±51.39353	418.89562
127	21/04	50	N170	F								
128	21/05	22	P170	16	1.135	15.397	±52.79888	3.20	-0.15	-3.40	±52.79888	471.69430
129	21/06	50	P170	F								
132	21/07	23	Q1101 (N)	16A	0.751	16.148	±29.80063	2.60	-0.20	-3.60	±29.80063	501.49193

LICENSED LAND SURVEYOR CLARK WILSON No. 3223 STATE OF CALIFORNIA
Clark Wilson

179

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(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

LINK NO. 3 USGS TAPE No. 198 20A PARTY CHIEF RCW F.B. 1004 PG. 24
ABSTRACT BY: RCW DATE: 7-8-80 CHECKED BY: DATE: J.N. 0080.02

TAPE 198 20A CTR	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
138	21/12	40/50	Q 1101 (V)	F		16.148				-3.60		501.49493
173	23/06	25	R170	17	0.954	17.102	±7.57754	2.93	-0.95	-4.55	±7.57754	509.07247
174	23/07	50	R170	F								
217	25/05	26	S170	18	1.091	18.193	-15.85532	3.13	+0.15	-4.40	-15.85532	493.21415
219	25/06	50	S170	F								
249	24/10	27	B1222	19	0.862	19.055	-23.22802	2.78	-0.95	-5.35	-23.22802	469.98613
TAPE 20A												
003	01/01	50	B1222	F		12.40						
014	01/13	28	C1222	20	0.900	19.955	±5.57907	2.85	+0.15	-5.20	±5.57907	471.56520
							R. Clark Wilson				19+14.80	+41.42
015	01/14	50	C1222	F								
040	03/06	29	T1151	21	1.091	21.046	-19.36512	3.13	-0.95	-6.15	-19.36512	452.20008
042	03/08	50	T1151	F								
061	04/10	30	44 FMK	21A	1.087	22.133	±7.40437	3.13	+0.25	-5.90	±7.40437	459.60445
061	04/10	—	44 FMK	F		14.42						
101	04/14	30	U 1151	22	1.067	23.200	±20.97053	3.10	-0.05	-5.95	±20.97053	480.51498

LICENSED LAND SURVEYOR CLARK WILSON No. 3722 STATE OF CALIFORNIA

180

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(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

INDEXED:

LINK NO. 3 USES TAPE NO. 20 PARTY CHIEF
ABSTRACT BY: RCW DATE: 2-9-82 CHECKED BY:
DATE:

F.B. 1004 PG. 31
J.N. 00220.02

181

CO ENG FB 3596 - 181

TAPE 20 A-B DATA 40/50

CTR	FILE BLOCK	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
104	07/01	U 1151	F		23.200				-5.95		480.57498
130	08/07	V 170	23	0.621	23.821	±4.29327	2.36	+1.05	-4.90	±4.29327	504.86825
132	08/08	V 170	F		15.35						
194	11/06	RESET X 1151 MTA	24	0.877	24.698	±2.03870	2.81	-1.50	-6.40	±2.03870	526.90695
196	11/08	X 1151	F								
254	13/16	V 1151	25	1.077	25.775	±6.26830	3.11	+0.30	-6.10	±6.26830	123.17525
003	14/01	V 1151	F		16.91						
058	17/07	R 115	26	1.442	27.217	±7.19060	3.35	+0.40	-5.70	±0.19060	693.36585
060	17/09	R 115	F								
129	21/03	E 1222	27	1.247	28.464	±9.22800	3.35	-0.10	-5.80	±9.22800	772.59385
129	21/04	E 1222	F								
182	23/14	F 1222	28	0.837	29.301	±7.68705	2.74	+0.10	-5.70	±7.68705	840.28090
189	24/01	F 1222	F		18.83						
263	27/01	G 1222	29	1.012	30.313	±6.89207	3.02	-1.65	-7.35	±6.89207	917.17297
START TAPE 21											
006	29/04	G 1222	F								
020	29/02	H 1222	30	0.310	30.623	±9.37770	1.67	-1.00	-8.35	±9.37770	936.55067

LICENSED LAND SURVEYOR CLARK WILSON No. 3123 STATE OF CALIFORNIA

X R. Clark Wilson

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

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PRECISE LEVEL ABSTRACT

INDEXED:
LINK NO. 3 0555 TAPE No. 21-A PARTY CHIEF RCW FB. 1004 PG. 40
ABSTRACT BY: RCW DATE: 2-16-82 CHECKED BY: DATE: J.N. 0280.02

TAPE 21 CTR	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE ALLW'D	DIVERGENCE RUN	DIVERGENCE TOTAL (3mm $\sqrt{K}$)	MEAN DIFF. METERS	FIELD ELEV. METERS
021	02/03	50	H1222	F		30.623				-8.35		936.55067
076	05/07	41	B171	31	1.263	31.886	+63.77889	3.37	+0.52	-7.83	+63.77889	1000.32656
077	05/08	50	B171	F								
113	07/08	42	D1152 (V)	32	0.833	32.719	+42.63155	2.74	+0.20	-7.63	+42.63155	1042.96111
115	09/10	50	↑									
139	08/14	43	D1152 (V)	F	↑	33.492	+18.65652	2.64	-0.75	-8.38	+18.65652	1061.61763
			R116	33	0.773							
145	09/02	40/50	R116	F								
204	11/14	44	H1166 (V)	34	1.174	34.666	+62.62792	3.25	+0.50	-7.88	+62.62792	1124.23955
211	12/02	50	H1166 (V)	F		22.20						3360.70
011	14/09	45	J1222	35	1.061	35.727	+52.50538	3.09	-1.10	-8.98	+52.50538	1176.74493
012	14/11	40/50	J1222	F								
064	17/13	46	K1222	36	1.143	36.870	+70.22617	3.21	-0.95	-9.93	+70.22617	1246.97110
065	17/14	50	K1222	F								
115	20/10	47	K1166	37	1.157	38.027	+66.01882	3.23	+0.75	-9.18	+66.01882	1312.98992
116	20/11	50	K1166	F	0.991	24.24	+					
177	23/10	48	L1222	38		37.018	+68.95465	2.97	+0.20	-8.98	+68.95465	1381.94857

LICENSED LAND SURVEYOR CLARK WILSON STATE OF CALIFORNIA

182

CO ENG FB 3596 - 182

R. Clark Wilson
Licensed Land Surveyor
(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214

* STAMPED "-.98"

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

INDEXED:

PRECISE LEVEL ABSTRACT

LINK NO. 3555 TAPE NO. 21B PARTY CHIEF RCW F.B. 1004 PG. 47
ABSTRACT BY: RCW DATE: 7-22-80 CHECKED BY: DATE: J.N. 0780.02

TAPE 21B CTR	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	RUN	TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
179	23/12	40/50	L1222	F		39.018				-8.98		1381.94151
217	25/06	50	M1222	39	0.544	39.562	±38.80835	2.21	-0.10	-9.08	±38.80835	1420.75292
									±0			
218	25/07	50	M1222	F		25.30						
036	09/01	51	N1222	40	1.160	40.722	±38.05347	4.12	+0.25	-8.83	±38.05347	1508.80639
(TAPE 22-A												
037	03/03	40/50	N1222	F								
069	05/01	52	R1167	41	0.727	41.449	±45.26027	2.56	-0.06	-8.89	±45.26027	1554.06666
070	05/02	50	R1167	F								
113	07/08	53	S1167	42	1.094	42.543	±36.20417	3.14	-0.15	-9.04	±51.85417	1605.90083
114	07/09	50	S1167	F								
156	09/11	54	5431.98*	43	1.096	43.639	±50.11780	3.14	-2.00	-11.04	±50.11780	1656.03863
157	09/12	50	5431.98	F								
175	10/13	55	T1167(V)	44	0.517	44.156	±24.58280	2.54	±0.05	-10.99	±24.58280	1680.62143
183	11/02	40/50	T1167(V)	F								
212	18/06	56	Q1222(V)	45	0.879	45.035	±28.93267	2.81	-0.15	-11.14	±28.93267	1709.55410
215	17/08	50	Q1222(V)	F	28.59							
240	13/08	57	N1166(V)	46	0.979	46.014	±21.08387	2.97	-0.35	-11.49	±21.08387	1730.63797

LICENSED LAND SURVEYOR CLARK WILSON No. 3223 STATE OF CALIFORNIA

R. Clark Wilson

CO ENG FB 3596 - 183

(213) 249-4406
3309 Honolulu Avenue, La Crescenta, CA 91214
R. Clark Wilson
Licensed Land Surveyor

Note: Any additions, changes on this sheet must be made or circled in red ink with date and name of person marking change

PRECISE LEVEL ABSTRACT

INDEXED:
LINK NO.
ABSTRACT BY:
DATE:
TAPE No.
PARTY CHIEF
CHECKED BY:
DATE:
F.B. 1004 PG. 58
J.N.

CO ENG FB 3596 - 184

TAPE 22 B

CTR	FILE BLOCK	DATA 40/50	BENCH DESCRIPTION	FWD BK or R	SECTION KM or DATE	TOTAL KM or TEMP	SECTION DIFF. MTR or TIME	DIVERGENCE 3mm $\sqrt{K}$ ALLW'D	DIVERGENCE 3mm $\sqrt{K}$ RUN	DIVERGENCE 3mm $\sqrt{K}$ TOTAL	MEAN DIFF. METERS	FIELD ELEV. METERS
030	15/12	~~50~~	N1166 (V)	BK		46.014				-11.49		1780.63777
063	17/12	59	P1222	47	0.801	46.815	+48.40808	2.68	+034	-11.15	+48.40808	1779.04605
004	14/02	40/50	P1222	BK								
029	15/11	60	V1167 (V)	48	0.754	47.569	+42.08732	2.60	+0.05	-11.10	+42.08732	1821.13337
						-BREAK - SLIDE AREA						1821.05228
065	17/14	40/50	6131.50	~~AK~~								~~1865.92825~~
095	19/08	61	V1167 (V)	~~50~~	0.866	48.435	+44.89667	2.79	-0.75	-11.85	+44.89667	~~1865.92825~~
												1865.92825
097	19/10	50	V1167 (V)	F								
147	23/03	62	6501.84	51	1.294	49.729	+67.98432	3.71	-1.15	-13.00	+67.98432	~~1933.93377~~
												1933.93377
148	23/04	50	6501.84	F			+38.98705					
176	24/10	63	B1167 (V)	52	0.783	50.512	+38.98705	2.65	-0.30	-13.30	+38.86705	1972.80082
178	24/12	50	B1167 V	F								
201	25/12	64	D1166	53	0.630	51.142	+21.43917	2.38	-0.55	-13.85	+21.43917	1922.23999
						(31.78)						

LICENSED LAND SURVEYOR CLARK WILSON STATE OF CALIFORNIA