# FIELDBOOK 686


| LOCATION | LIMITS | DATA REC'D. | PAGE |
|---|---|---|---|
| Oro Ave. | S/o Railroad/Hwy 26 | Ties | 1-4 |
| Alpine Rd. | Moon/Hwy 26 | Ties | 5-6 |
| Wildwood Rd | Jack Tone/Murphy | Ties | 7 |
| Pock Lane | [illegible]/Mariposa | Align | 8 |
| [illegible] | Carlton/Pershing | Align | 9-11 |
| WEBSTER AVE. | ALPINE TO END | ALIGN | 12-13 |
| UNION RD. | S/O FRENCH CAMP | TIES | 14 |
| WALNUT GROVE & OAK ST. (THORNTON) | | ALIGN | 15-17 |
| FAIRCHILD RD. | VIGNOLO 3000'E | ALIGN | 18-19 |
| WEST LN. | EIGHT MILE TO ARMSTRONG | ALIGN | 20-22 |
| BRUELLA RD. | VICTOR WELLS TEST #1 | ALIGN | 23 |
| HAM LN. | EIGHT MILE RD. TO WEST LN. | ALIGN | 24-25 |
| BASELINE FOR SURVEY OF UN-NAMED SWALE W/O FINE RD. 1/2 MILE N/O FLOOD RD (W) | | | 26 |
| AIRPORT WAY @ FRENCH CAMP RD. | | ALIGN | 27 |
| MUELLER RD. | STARK TO MAYBECK | ALIGN | 28 |
| ARMSTRONG RD. | HAM LN TO WEST LN | ALIGN | 29 |
| FAIRCHILD RD. | WATERLOO TO VIGNOLO | ALIGN | 30-38 |
| DAVIS ROAD | TURNER TO WOODBRIDGE | ALIGN | 39 |
| DAVIS ROAD | TURNER TO WOODBRIDGE | TIES | 40-41 |
| * VALLEY DRIVE @ MORADA LANE | | ALIGN | 42 |
| FRENCH CAMP ROAD @ UNION | | ALIGN | 43 |
| FAIROAKS RD | BATES RD to 600'± S/o BATES | | 44 |
| KETTLEMAN LANE | 1/2 MI W/O TRETHWAY TO TRETHWAY | ALIGN | 45 |

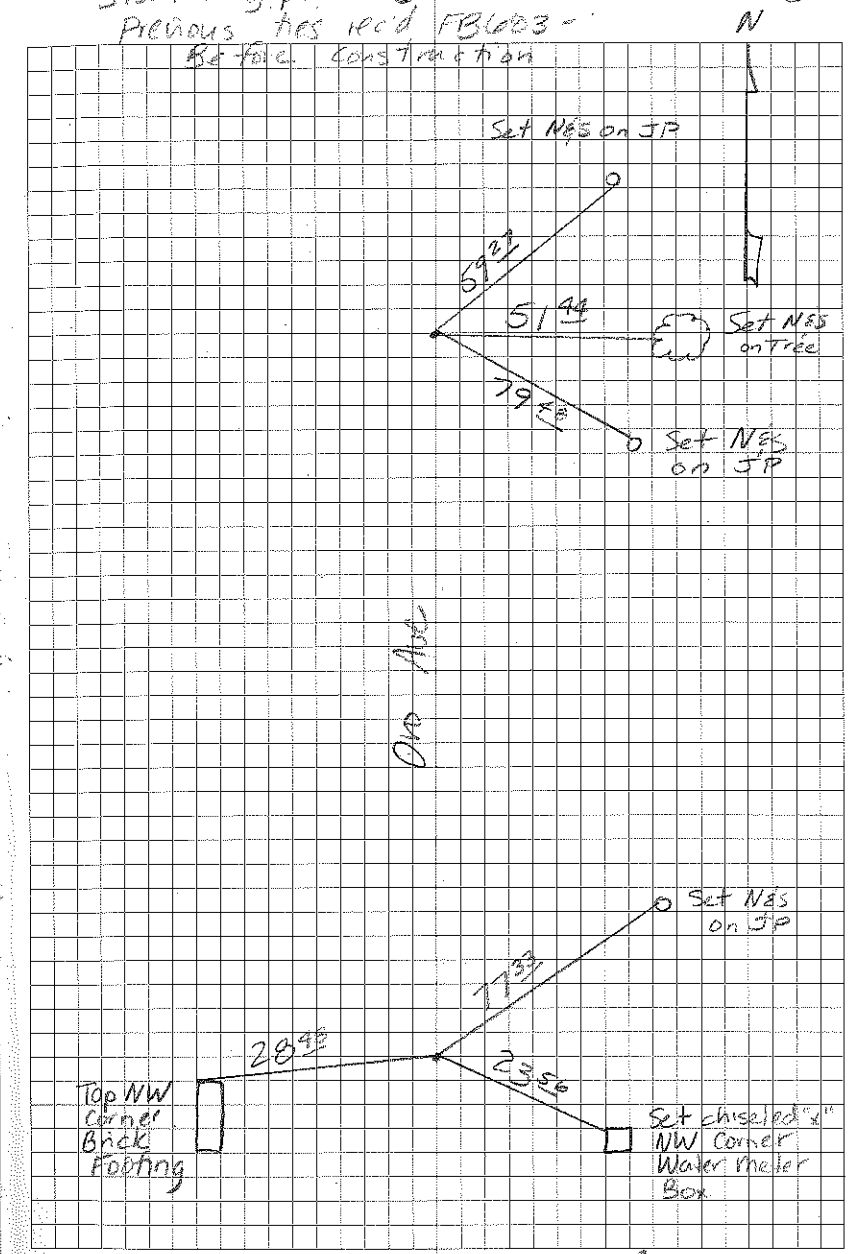
| LOCATION | LIMITS | DATA REC'D | PAGE |
|---|---|---|---|
| ALPINE AVE | @ MOON | TIES | 46 |
| WEST LANE SUBDIVISIONS | | ALIGN | 47-70 |
| SAN RAFAEL AVE | | | 47-48 |
| UTAH AVE | | | 49 |
| SIERRA MODRE AVE | | | 50 |
| SAN MATEO AVE | | | 51 |
| STADIUM DR. | | | 52-53 |
| FULTON ST. (WEST OF WEST LN.) | | | 54 |
| CORONADO AVE | | | 55-58 |
| ENTERPRISE ST. | | | 59 |
| DELIVERY ST. | | | 60 |
| POSTAL AVE. | | | 61 |
| BOURBAN ST | | | 62 |
| FULTON ST. (EAST OF WEST LN.) | | | 63 |
| WEST LANE | | | 64-66 |
| ALPINE AVE. | | | 65-70 |
| DOWNING AVE | | TIES | 71 |
| ALPINE ROAD | | TIES | 72-76 |
| MOSSWOOD PARK | | TIES | 77-80 |

Ord Avenue Ties
Ties to ℄ Curve - Ord

| Sta. | | Description |
|---|---|---|
| 44+71.21 | | Set 2x2 Hub - ℄ Ord |
| PRC | | |
| 42+25 | | Fd. N&S - ℄ Ord |
| BC | | |

Stationing per FB 683
Previous ties rec'd FB 683 -
Before Construction

(1)



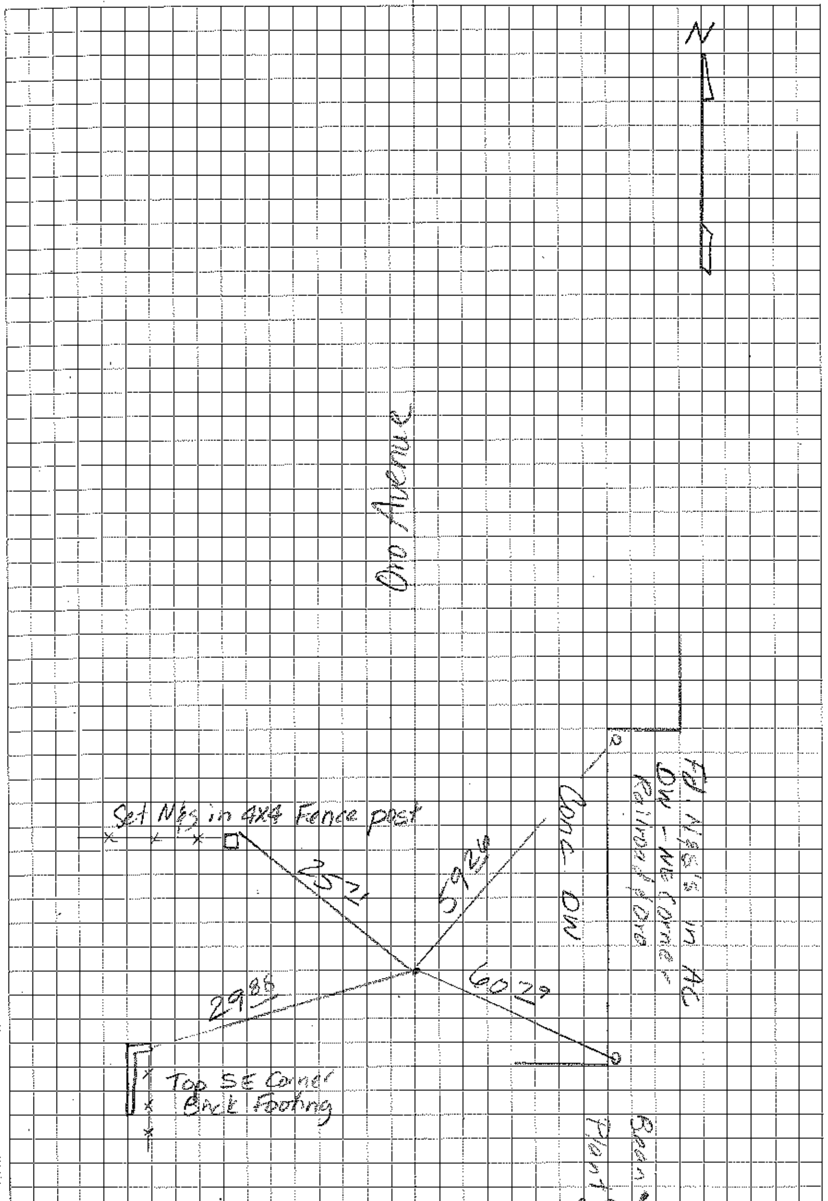

FIELD BOOK 686

Oro Avenue Ties Cont.
Ties to ℄ Curve - Oro

| Sta. | Description |
| --- | --- |
| 41+18.27 EC | Fd N&S - ℄ Oro |

Stationing per FB683

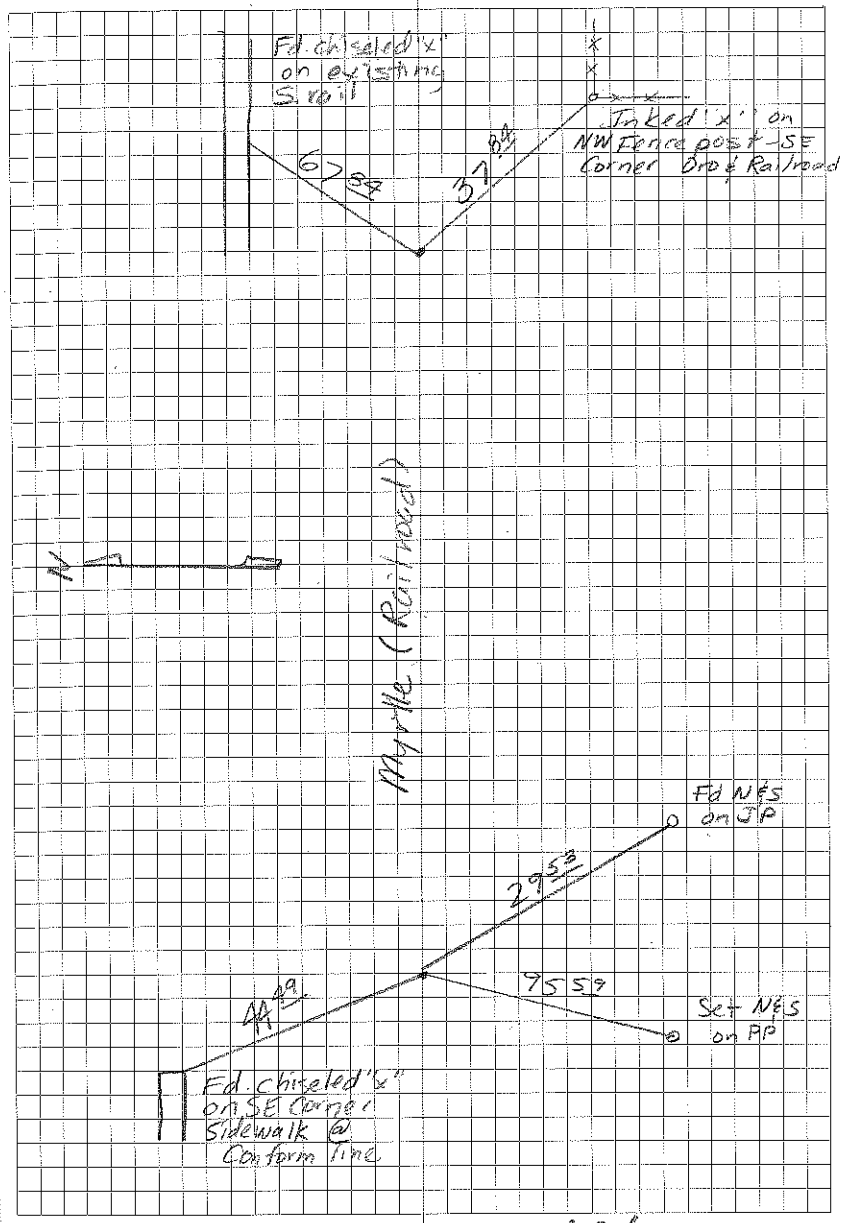




Ord Avenue Ties Cont.
Ties to ℄ Curve - Railroad (Myrtle)

| Sta. | Description |
|---|---|
| 6+22.9 ℄ | Fd. N℄S - ℄ Railroad |
| EC | |
| 4+79.9 ℄ | Fd. N℄S - ℄ Myrtle |
| BC | |

Stationing per Ord Ave plans



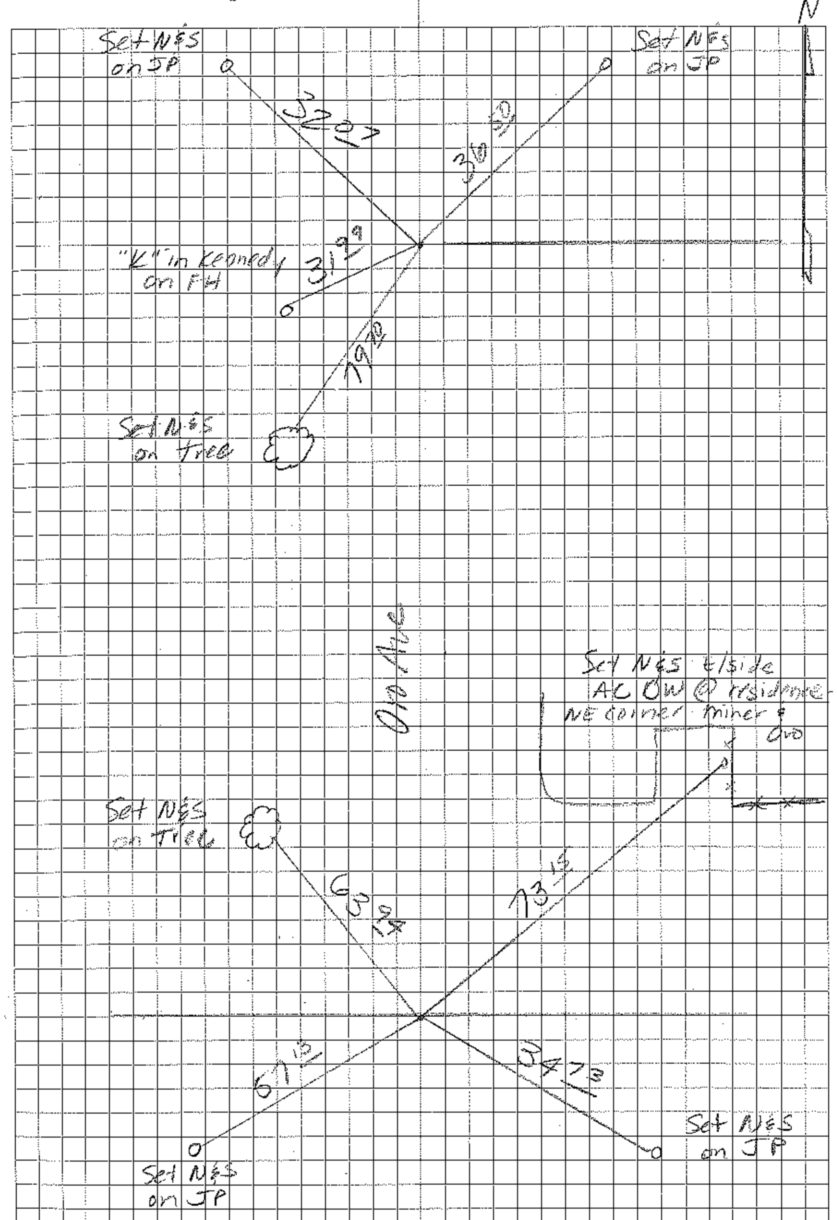

FIELD BOOK 686

Oro Ave Ties cont.

| Sta. | Description |
| --- | --- |
| 57+27.20 | Fd PK - ℄ Farm Rd. |
| 50+71.11 | Fd. N&S - ℄ Miner Ave |



Stationing per FB 683



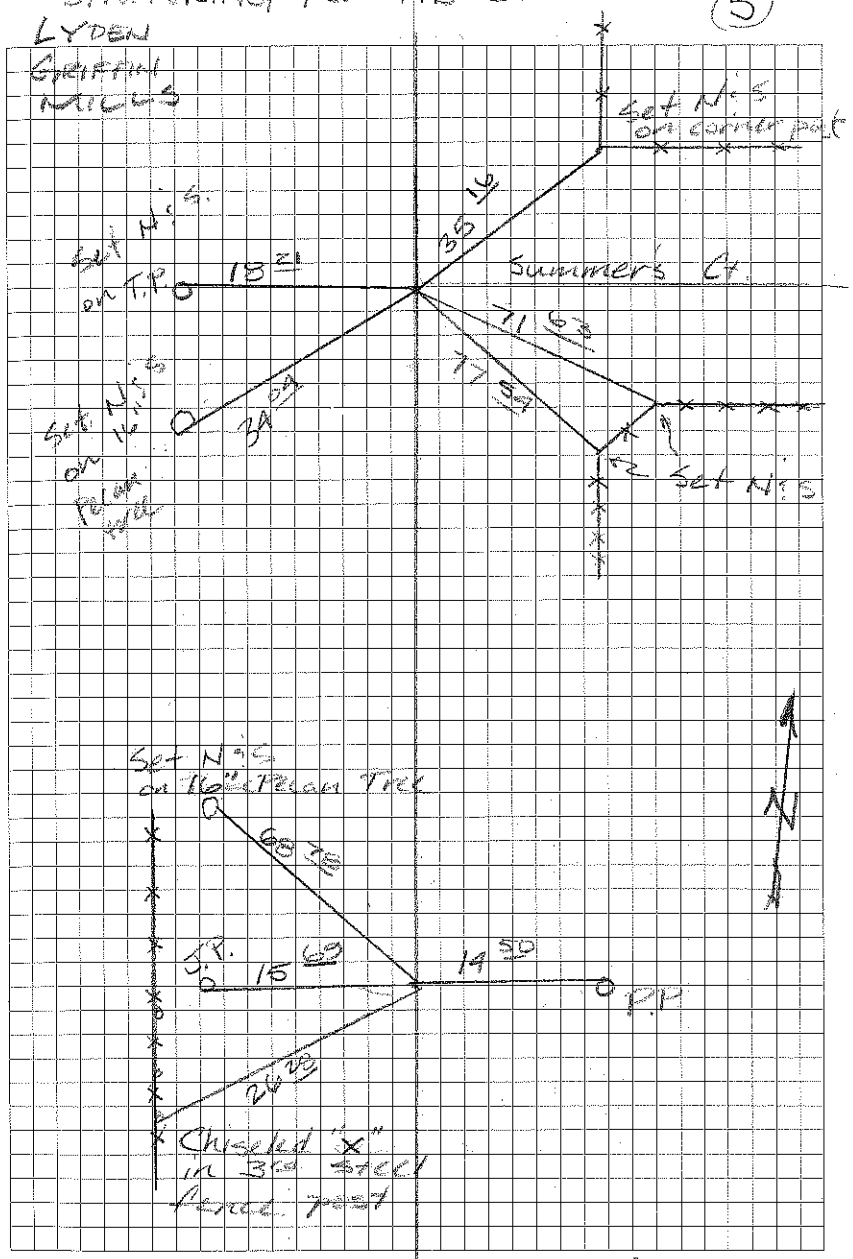

FIELD BOOK 686

Alpine Rd. Ties

| Sta. | Description | 7/30/92 |
|---|---|---|
| 41+10.00 | Fd. 5/8" Rebar w/ monument box @ Summers Ct. | |
| 39+00 | Found Pin & welded washer. Angle Pt. | |

STATIONING PER FB 559

(5)



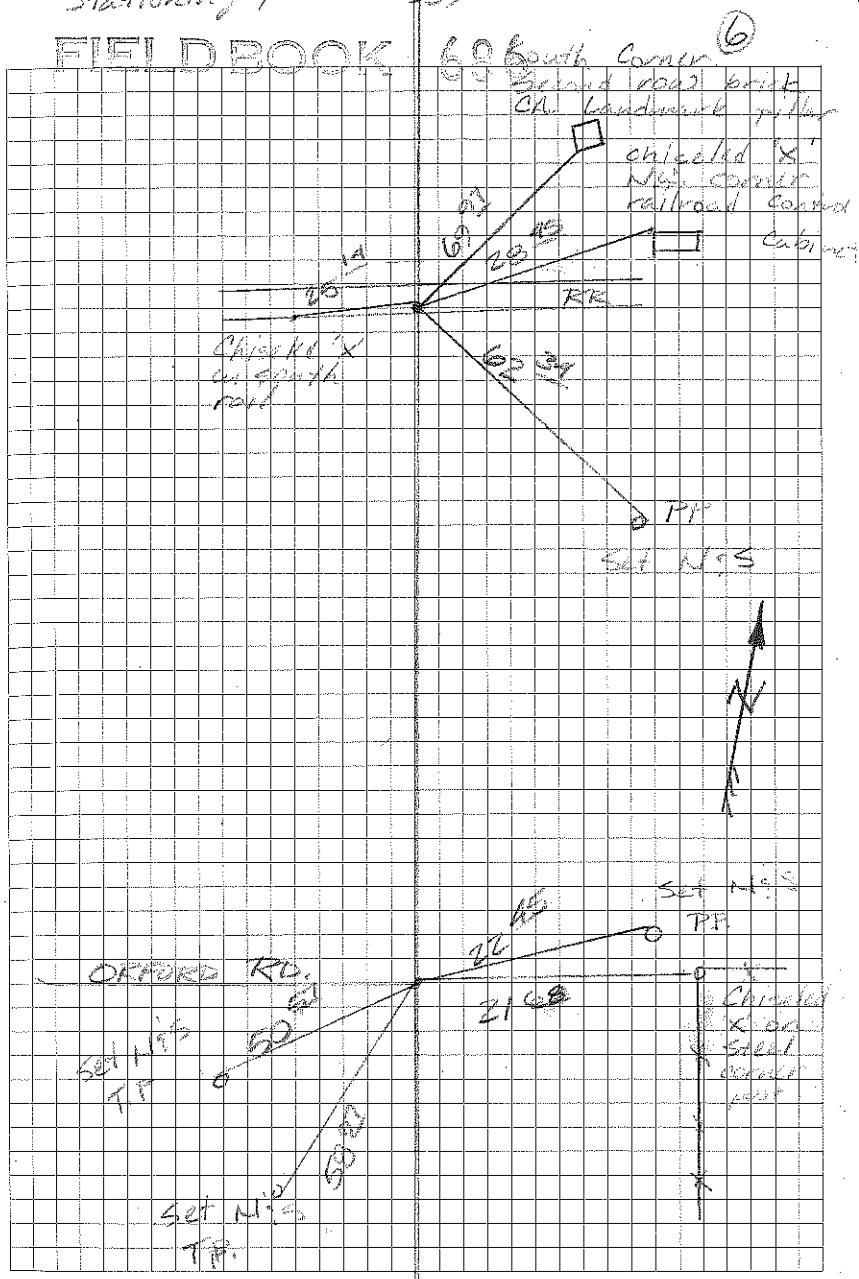

FIELDBOOK 686

Alpine Rd. Ties (Cont.)

| Sta | Description |
|---|---|
| 41+03 SI | Fd Railroad spike Angle Point |
| 44+68 SI | Found Pk + washer ℄ Orchard Rd. |

Stationing per F.B. 559

FIELD BOOK 69



Wildwood Rd Ties
Jack Tone Rd. - Murphy Rd

| Sta. | Description |
|---|---|
| 1/4 Sec. | A - Fd 3/4" Pin & Murphy - Sec. Line |
| Corner | B - RR. Spike & Wildwood - Const. |

8 • 9

| Sta. | Description |
|---|---|
| 1/4 Sec. | A - Fd. Monument Box - 2" Iron Pipe |
| Corner | & Wildwood |
| | B - Fd. Ship Spike, 18' S/O |
| | Monument Box |

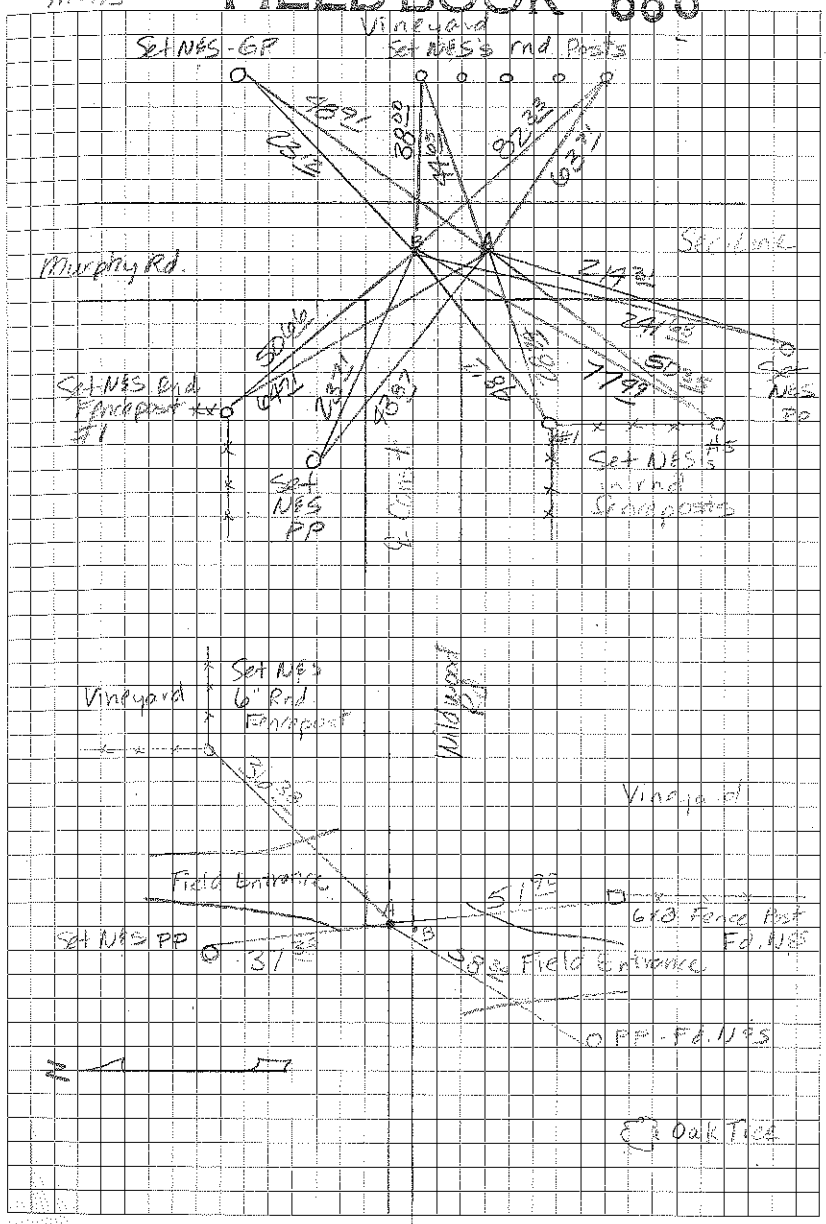
7 • 8

References - FS 24-98, FB 303, FS 31-62

Lyden
Griffin
Mills

8-3-92 (7)

# FIELD BOOK 686



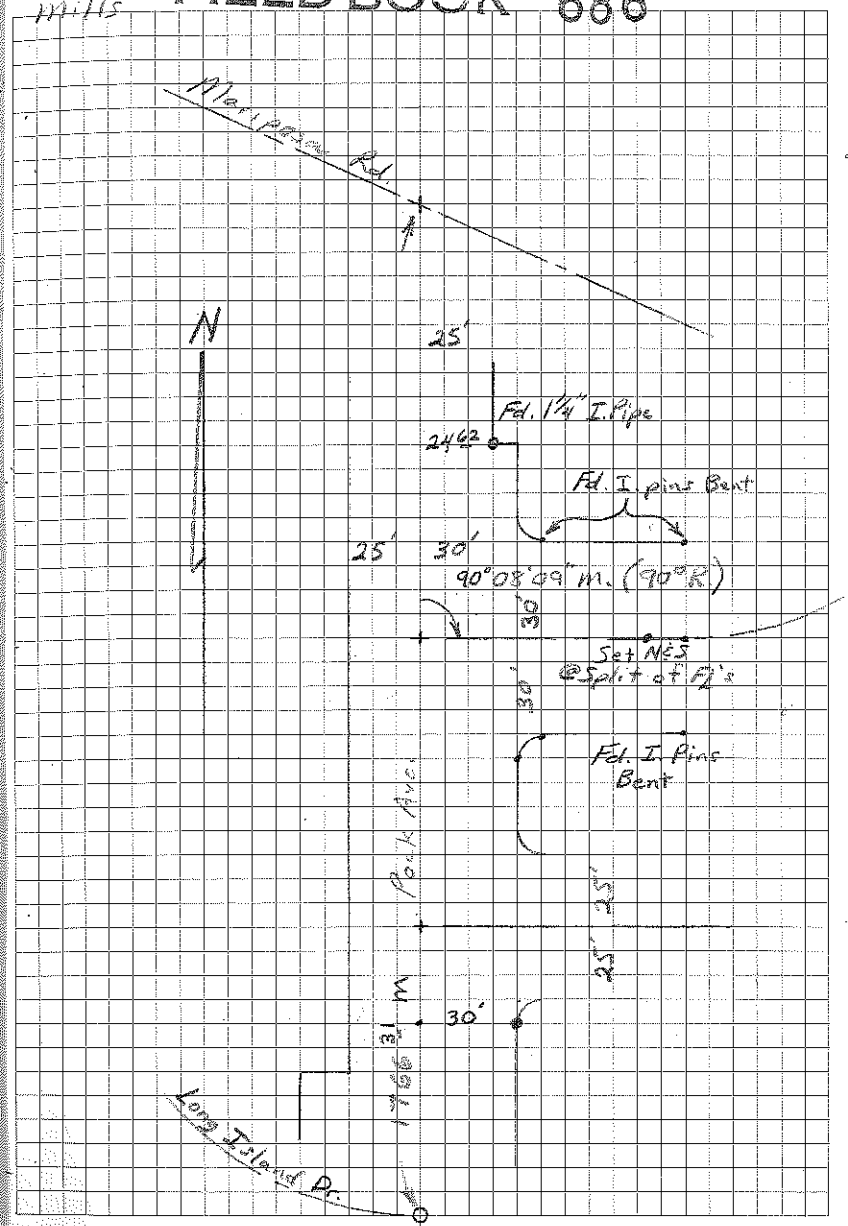
Lyden Griffin Mills

# FIELD BOOK 686

8-7-92 Clear - Hot (8)

## Pock Lane

| Sta. | Align. | Description |
|---|---|---|
| $10+36^{63}_{--}$ | P.O.T. | Fd. 2×2 hub under 0.2' A.C. Per F.B. 663 @ ℄ Mariposa Rd. |
| $3+23^{05}_{--}$ | P.O.T. | Set N℄S @ ℄ Nightingale Ave. |
| $0+28^{05}_{--}$ | P.O.T. | Set N℄S @ ℄ 6th St. |
| | P.O.T. | Fd. nail per FB 663 |
| | | Fd. 3/4" I.P. in Mon. Box Per MEP 30-99 |



Tuxedo Ave.

| Sta | Align | Description |
|---|---|---|
| 11+66.72 | E.C. | Set N&S @ ℄ Tuxedo |
| 9+35.73 | B.C. | Set N&S @ ℄ Tuxedo |
| 6+34.52 | P.O.T. 89°59'32" 179°59'07" 269°58'38" | Set PK @ ℄ Marine<br>Set N&S @ ℄ Canal |
| 0+00 | P.O.T 89°57'29" 179°54'49" 269°52'06" | Set N&S @ ℄ Carlton |

Lyden
Mills
Griffin

9-14-92
Clear-Warm

(9)

FIELDBOOK 686

℄ Curve

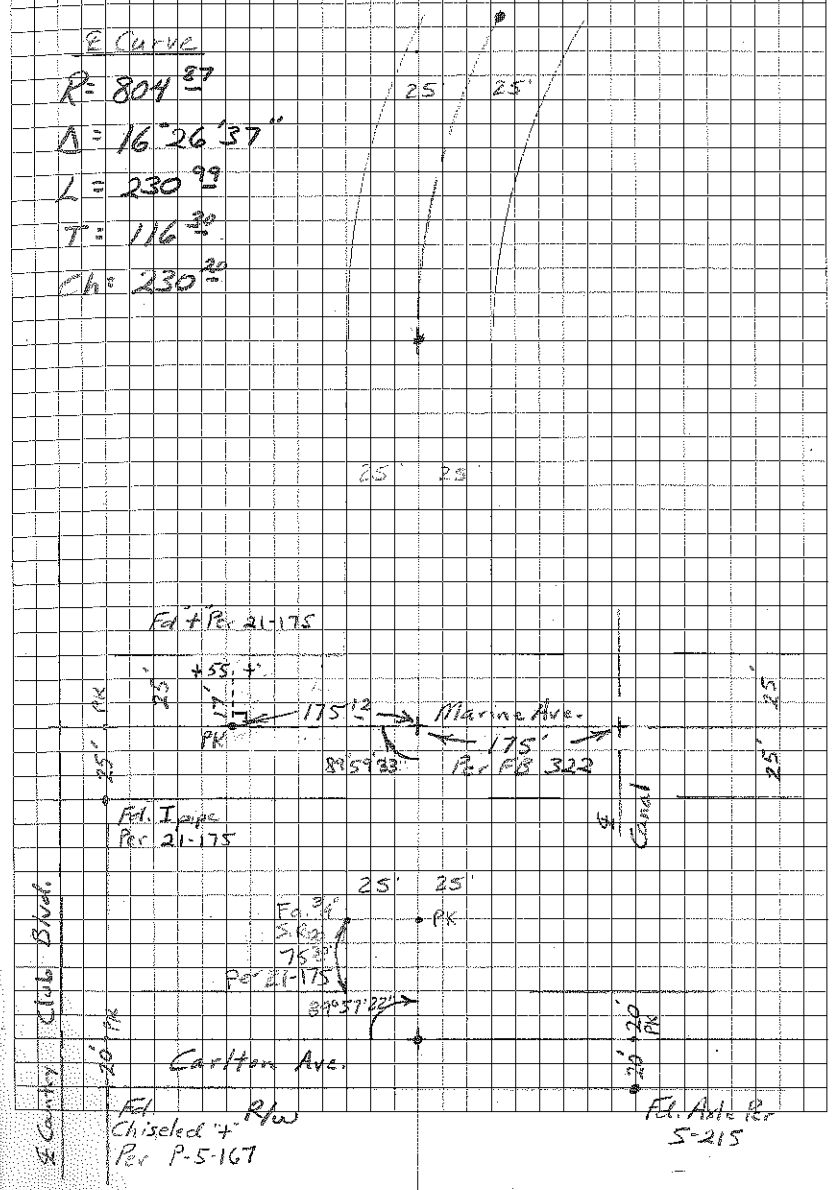
R = 804.87

Δ = 16°26'37"

L = 230.99

T = 116.30

Ch = 230.20

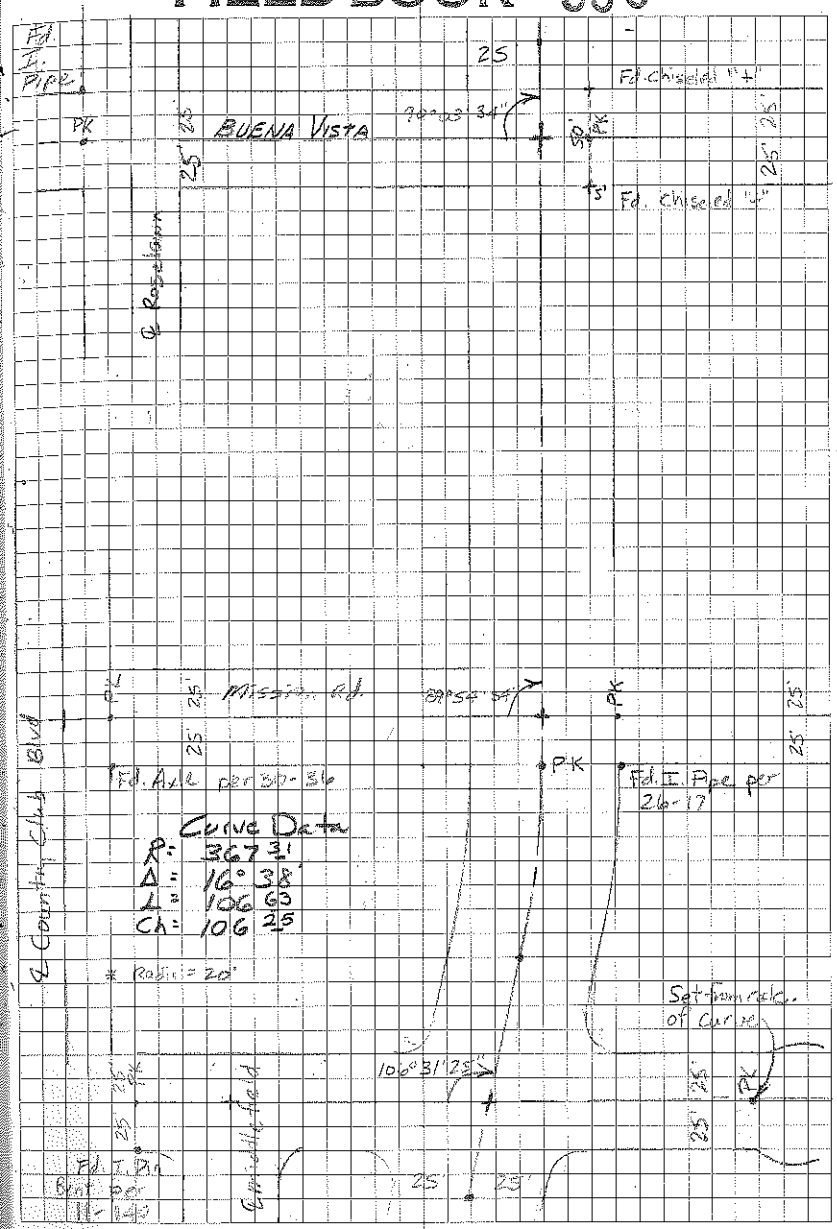


Tuxedo Ave Continued

| Sta | Align | | Description |
|---|---|---|---|
| 20+38.60 | P.O.T. | | Set PK @ ℄ Buena Vista |
| | 90°03'22" | | |
| | 180°07'01" | | |
| | 270°10'41" | | |
| 14+83.85 | P.O.T. | 89°53'02" | Set PK @ ℄ Mission Rd. |
| | | 179°49'46" | |
| | | 269°44'42" | |
| 14+58.70 | E.C. | | Set N.E.S |
| 13+52.07 | BC | | Set N.E.S |
| 11+78.46 | P.O.T. | | Set PK @ E Lake |
| | 106°31'29" | | |
| | 213°02'54" | | |
| | 319°34'15" | | |
| 11+66.72 | E.C. | | |



# FIELD BOOK 686



Tuxedo Ave continued

| Sta | Align. | Description |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
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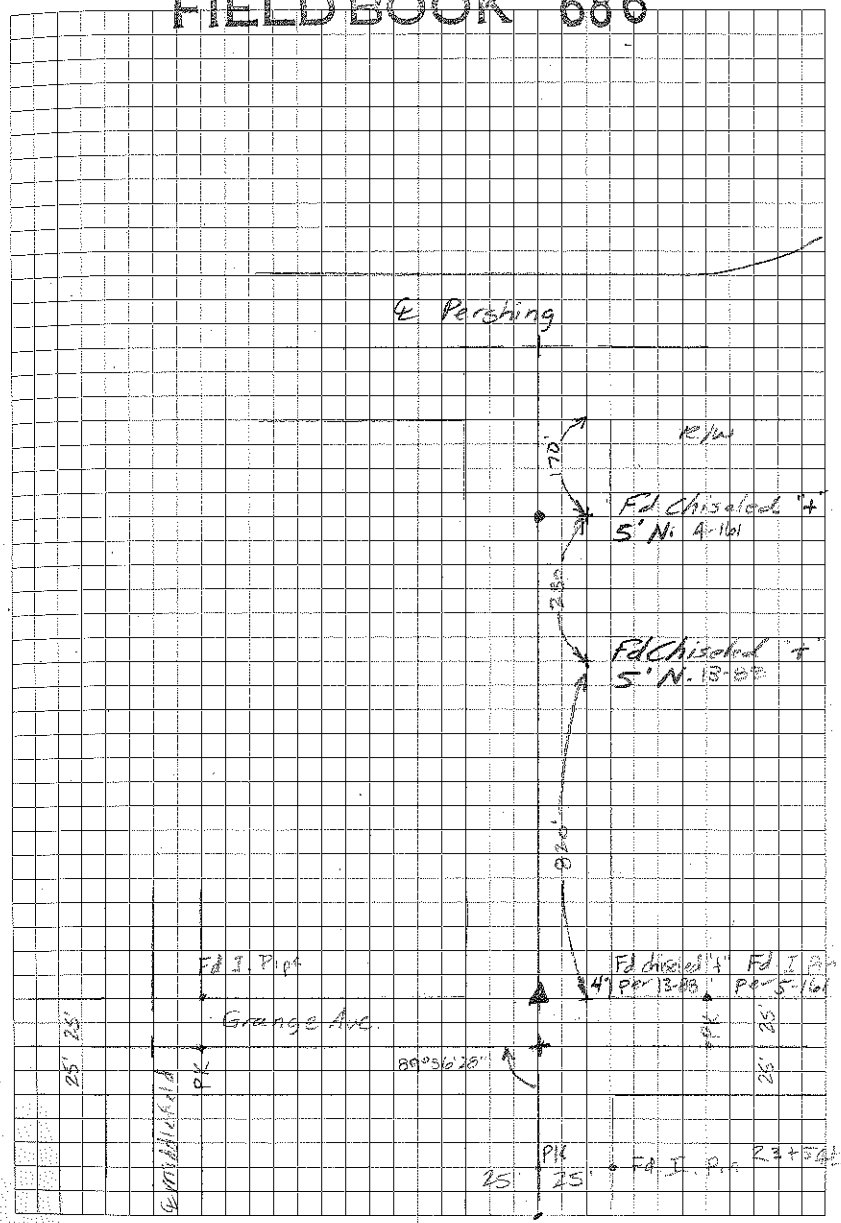
| | | |
| | | |
| | | |
| 37+45.08 | P.O.T. | Set P.K. |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 179°56'11" | |
| | 359°52'24" | |
| | 539°48'34 | |
| | | |
| 26+44.67 | Δ 0°03'49" LT. | Set PK |
| 26+20.01 | P.O.T | Set PK @ Grange Ave. |
| | 89°56'27" | |
| | 179°52'54" | |
| | 269°49'24" | |
| | | |
| 20+38.60 | POT | ℄ Buena Vista |



# FIELD BOOK 686



Webster Ave.
Alpine to End

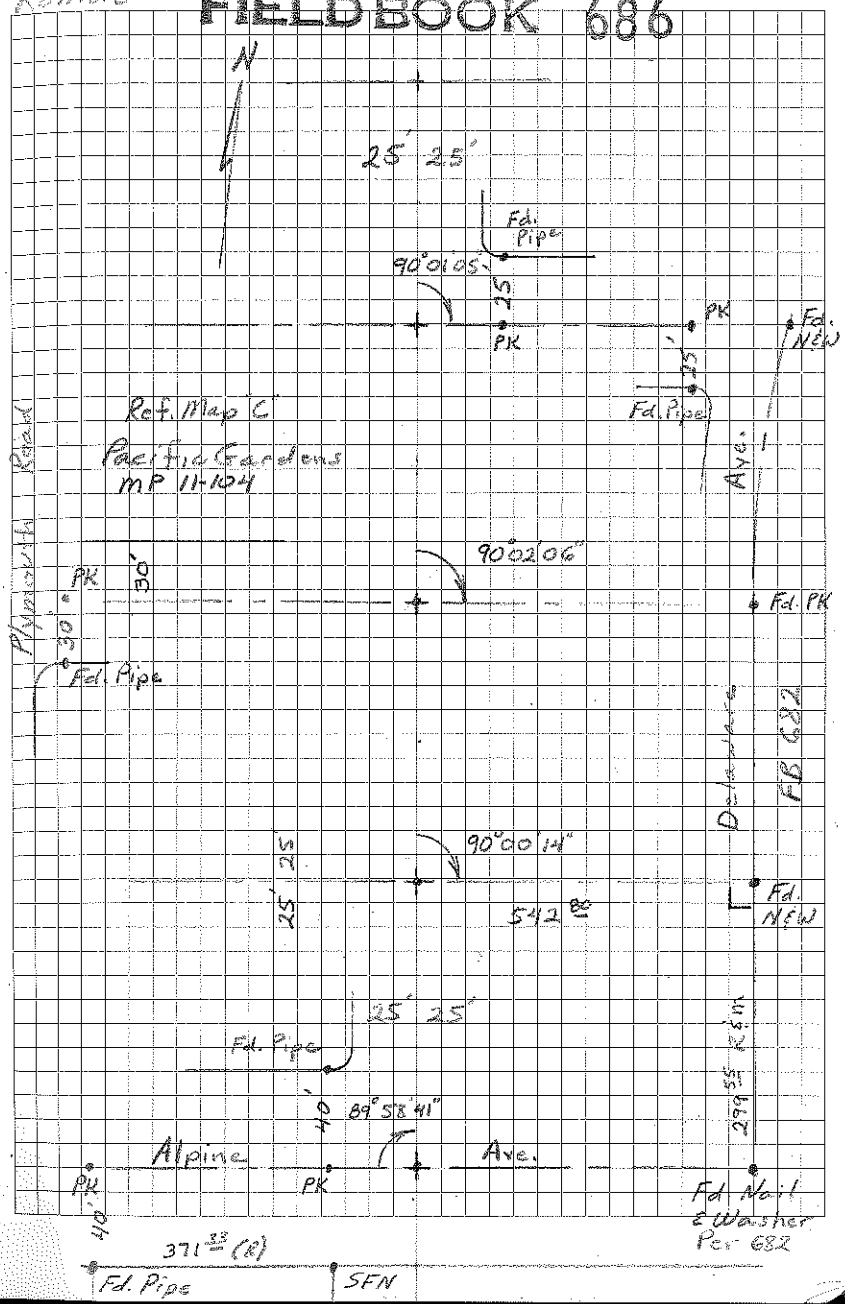
| Sta | Align. | Description |
|---|---|---|
| 11+73.19 | P.O.T. | P. 13 |
| 8+78.13 | P.O.T. | Set N&S by straddlers @ ℄ Inman<br>90°01'07"<br>180°02'09"<br>270°03'14" |
| 5+86.43 | P.O.T. | Set PK by straddlers @ ℄ Princeton<br>90°02'07"<br>180°04'12"<br>270°06'18" |
| 2+99.55 | P.O.T. | Set PK @ ℄ Euclid<br>90°00'18"<br>180°00'36"<br>270°00'42" |
| 0+00 | | Set N&S @ ℄ Alpine<br>89°58'49"<br>179°57'24"<br>269°56'09" |

Lyden
Romero

10-26-92

(12)

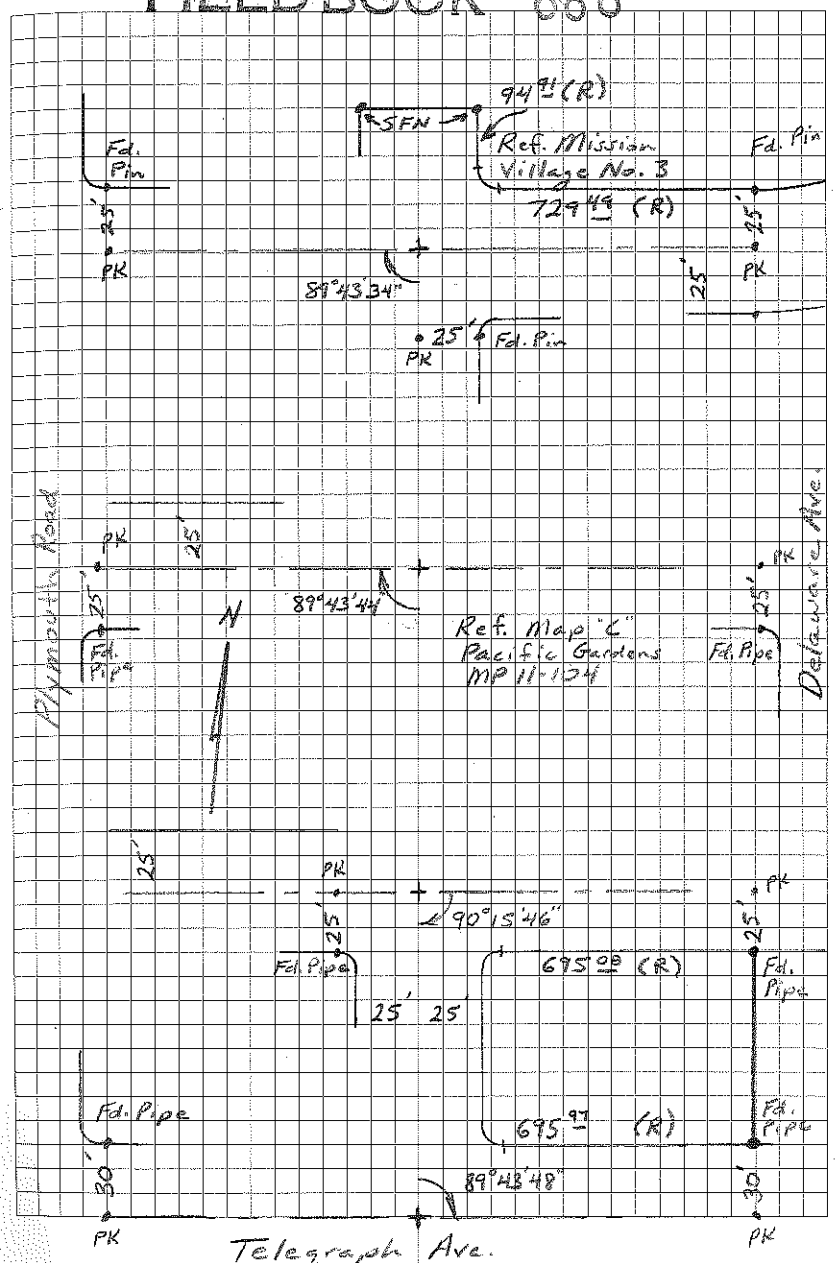
# FIELDBOOK 686



# FIELD BOOK 686

## Webster Ave. (Cont.)

| Sta | Align. | Description |
|---|---|---|
| 20+18.16 | P.O.T. | Set N&S by Straddlers @ ℄ Del Rio<br>89°43'33"<br>179°27'10"<br>269°10'41" |
| 17+38.32 | P.O.T. | Set N&S by Straddlers @ ℄ DeOvan<br>89°43'46"<br>179°27'28"<br>269°11'11" |
| 14+58.31 | P.O.T. | Set N&S by straddlers @ ℄ Christina<br>90°15'45"<br>180°31'36"<br>270°47'19" |
| 11+73.19 | P.O.T. | Set N&S by straddlers @ ℄ Telegraph<br>89°43'52"<br>179°27'36"<br>269°11'24" |



Union Road (Ties)

| 7 | 8 |
|---|---|
| 18 | 17 |

3/4" Rebar in Mon. Box

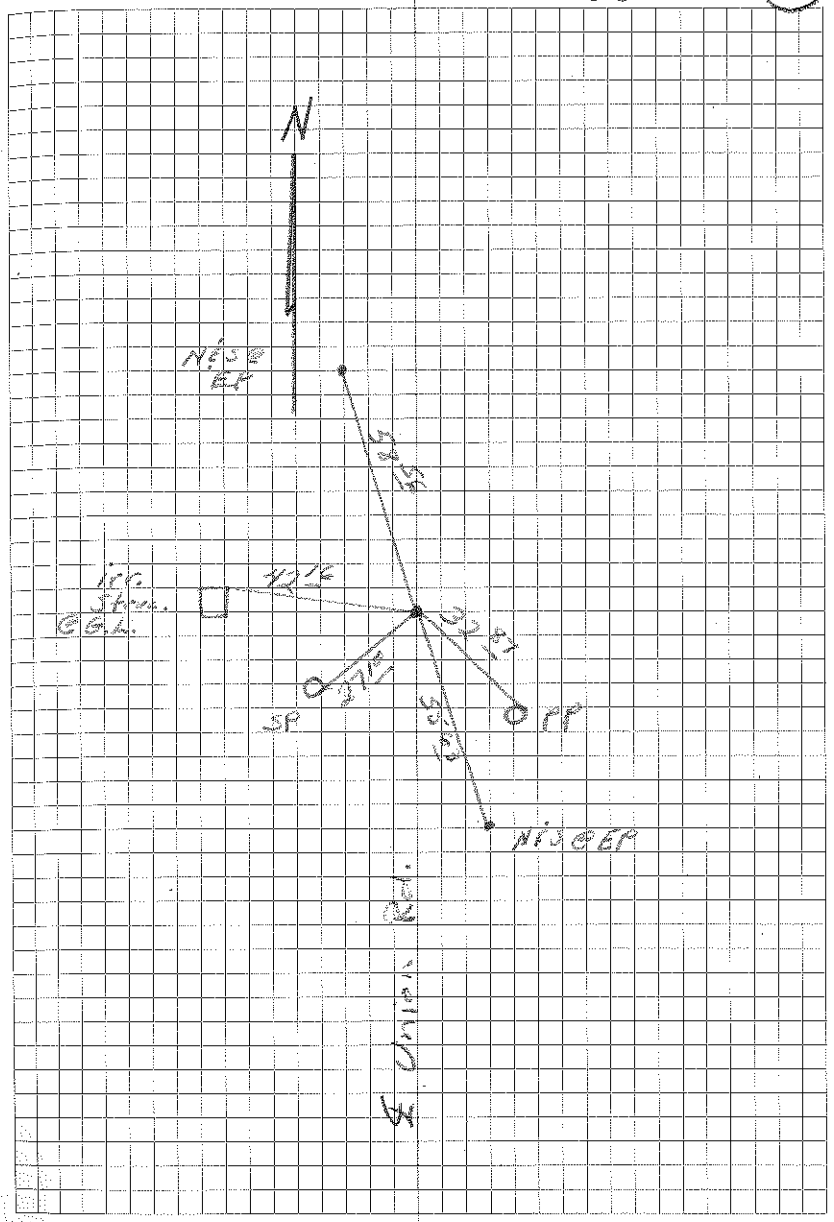
T15R7E

Lyden Ramero

FIELD BOOK 686

11-30-92

(14)



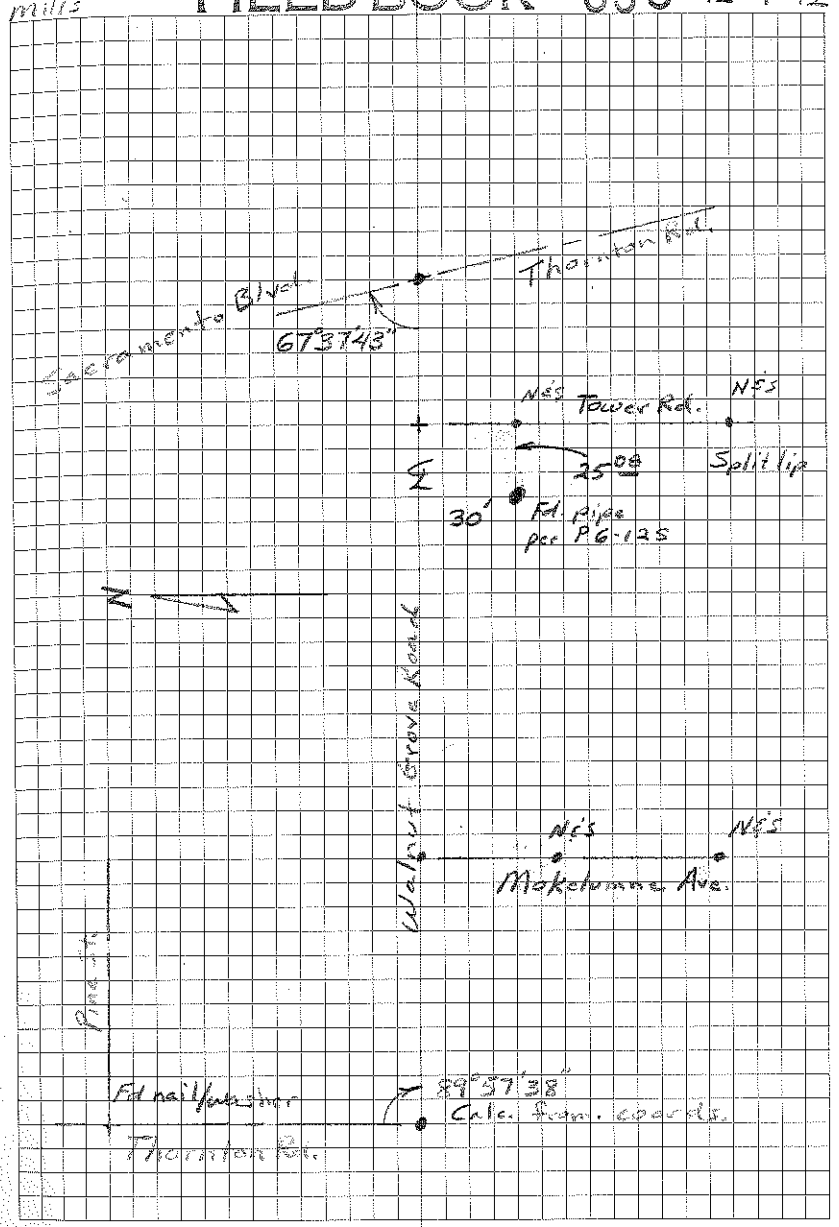
Lyden Komaro mills

# FIELD BOOK 686

(15) 12-4-92

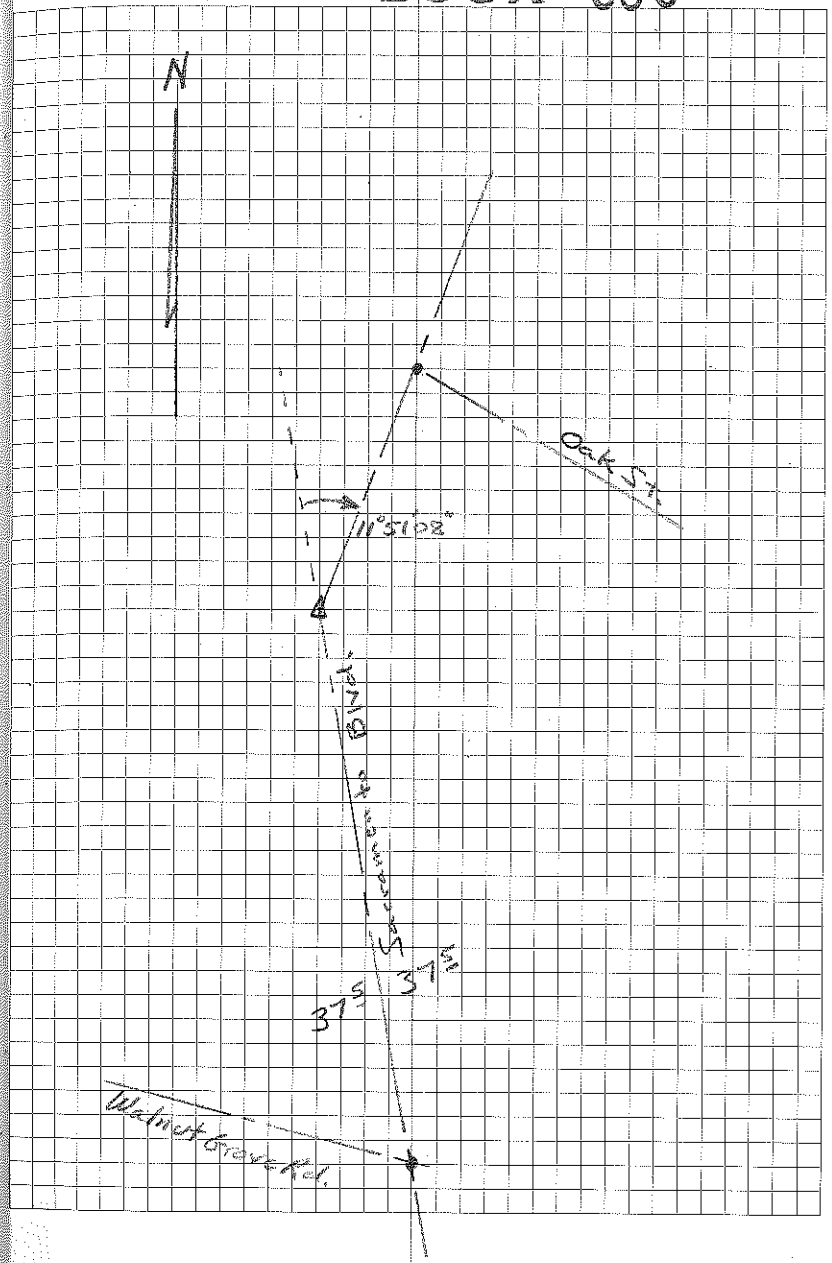
Walnut Grove Road and Oak St. in Thornton

| Sta. | Align. | Description |
|---|---|---|
| 17+81.91 (6+64.91 Sac. Blvd.) | P.O.T. | Fd. P.K./washer per FB. 685<br>67°37'31"<br>135°15'14"<br>202°53'09" |
| 16+10.03 | P.O.T. | Set N.S. @ ℄ Tower Rd. |
| 9+45.81 | P.O.T | Set N.S. @ ℄ Mokelumne (split lip at gutter) |
| 5+00 | | Fd. S.S. 0.2' below surface<br>FB. 685 |



Walnut Grove Rd & Oak St. (Cont.)

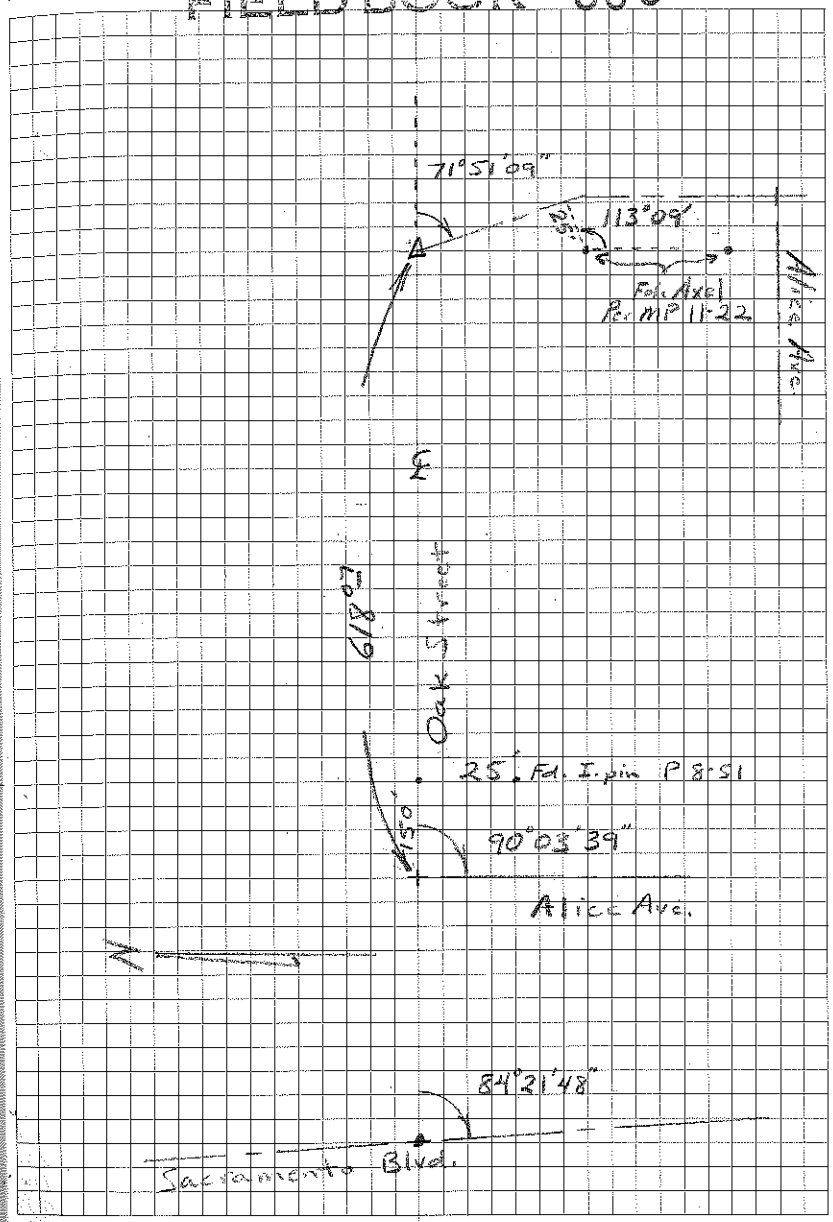
| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 7+34.95 (5+00 Oak St.) | P.O.T. | | Fd. PK/washer FB 685 |
| 7+09.85 | Δ | 11°51'08" Rt. (Rec.) | Fd. PK/washer FB 685 |
| 6+64.97 (17+81.91) | | | |



# FIELD BOOK 686

Walnut Grove Rd. & Oak St. (cont.)

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 14+38.95 | Δ | 71°51'29"<br>143°42'06"<br>215°33'26" | Set S.S. & Washer @ ℄ Louise Ave. |
| 8+20.88 | P.O.T. | 90°04'06"<br>180°07'21"<br>270°11'17"<br>360°14'34" | Fd. P.K. per FB. 685 @ ℄ Alice |
| 5+00 | | 84°21'48"<br>168°43'40"<br>253°05'25" | |

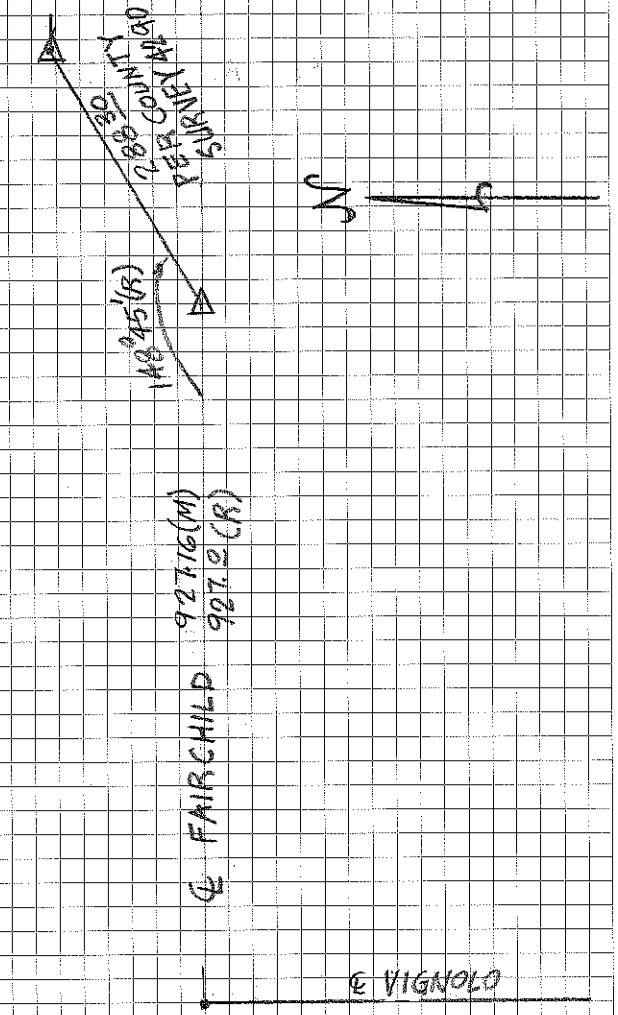


FAIRCHILD ROAD

| STA | ALIGN | DESCRIPTION |
|---|---|---|
| 112+73.30 | △ | SET RR SPIKE @ BASE OF 4" OAK TREE |
| 109+85.00 | △ | F.D. BOLT |
| | 31°15' Lt. | PER F.B. 58 |
| 100+57.84 | | FD. BOLT |
| | | PER F.B. 58 |

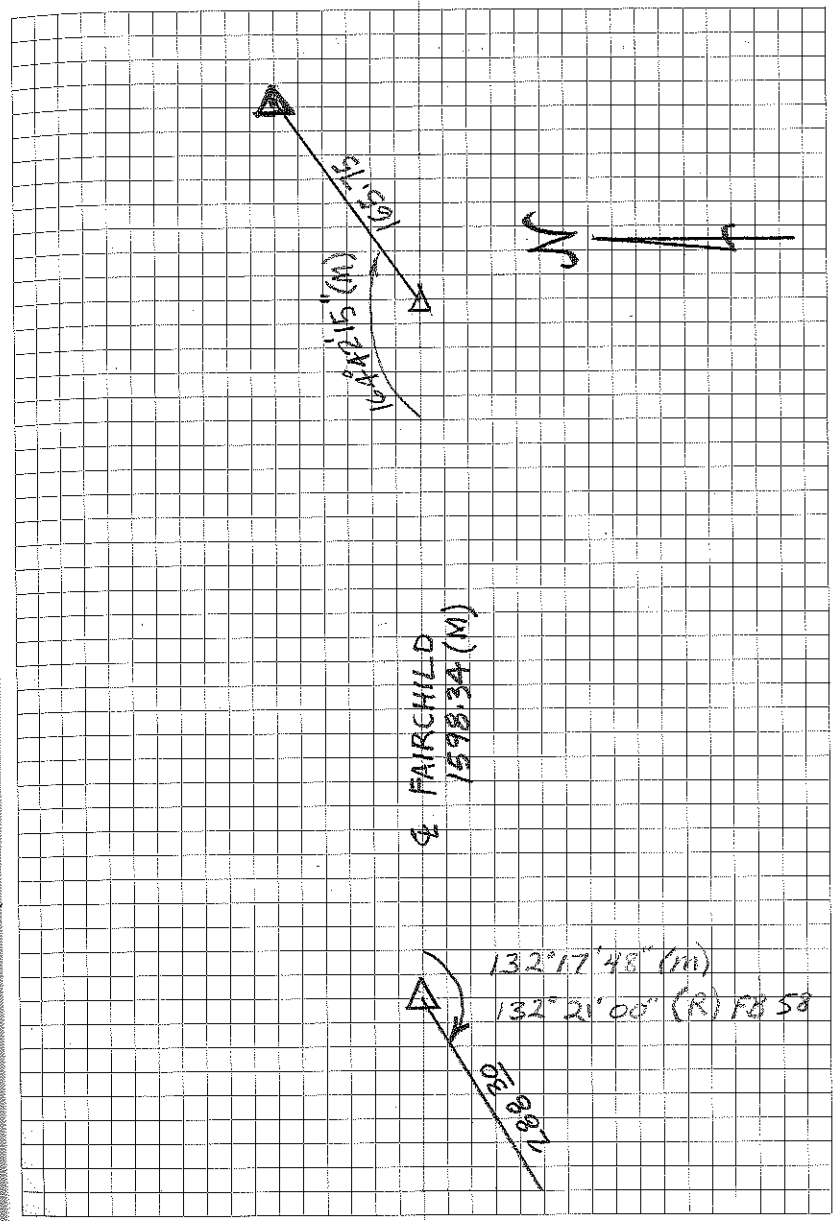
Lyden
Arquelada
Romero

FIELD BOOK 686 12-21-92 (18)



FAIRCHILD ROAD (CONT'D)

| STA | ALIGN | DESCRIPTION |
|---|---|---|
| 130+37.39 | | FD. N&S PER R.S. 31-171 |
| 128+71.44 | △ 15°17'45"Lt. | FD. N&S PER R.S. 31-171 |
| 112+73.30 | △ 47°42'12"Rt. | SET RR SPIKE @ BASE OF 4" OAK TREE |



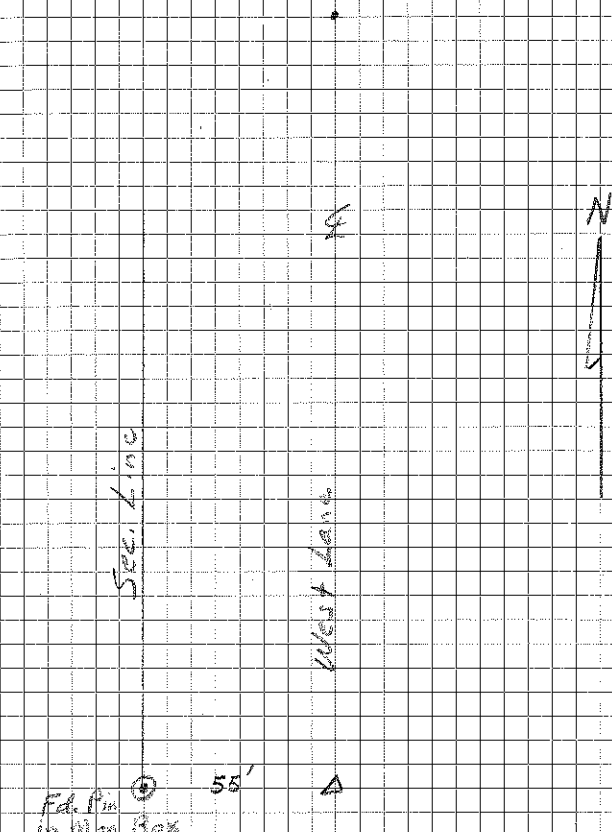
# West Lane
## Eight Mile Rd. to Armstrong Rd.

| Sta | Align. | Description |
|---|---|---|
| 333+55.41 | BC | Set Hub |
| 307+93.23 | Δ | Set N&S |



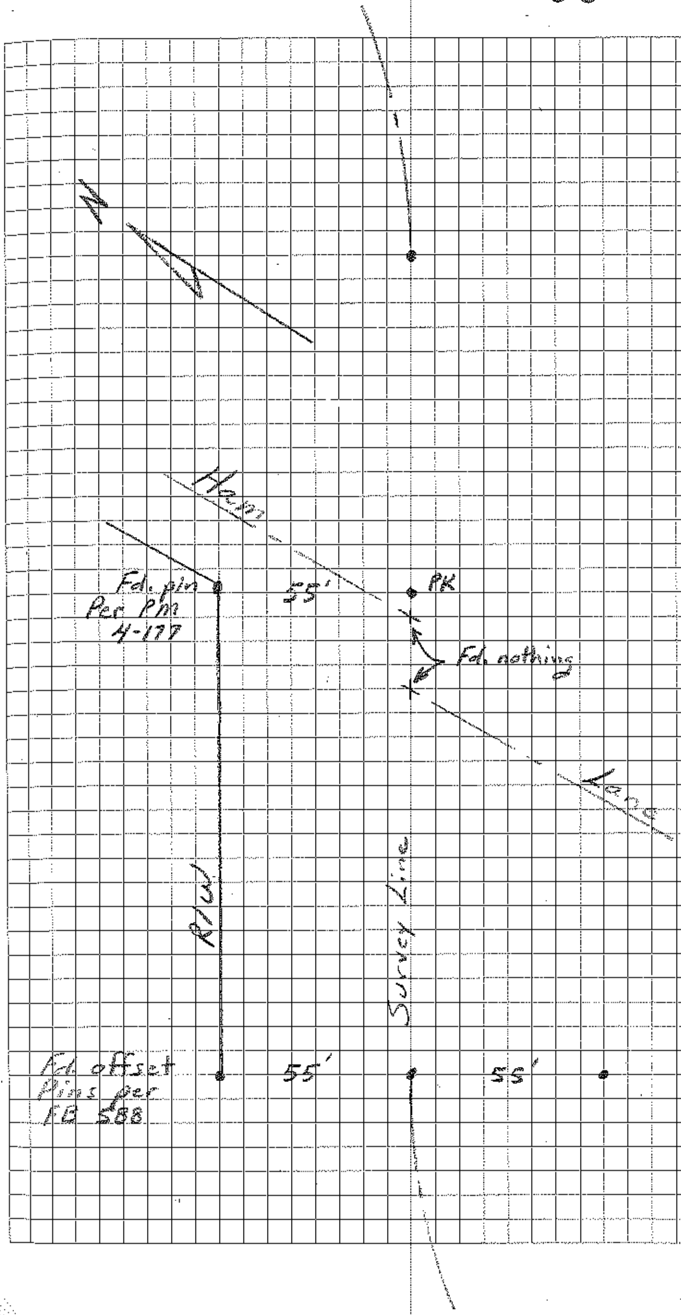
**Curve (Rec.)**
R = 3,819.72'
Δ = 53°20'
Ch: 3,428.57'
L = 3,555.56'

**Curve Set**
R: 3822.41'
Δ: 53°17'34"
Ch: 3428.57
L: 3,555.35



West Lane Cont.

| Sta. | Align. | Description |
| --- | --- | --- |
| 395+44.78 | BC | Set Hub |
| 369+10.76 | EC | Set Hub |



West Lane Cont.

P.O.T. Fd. PK

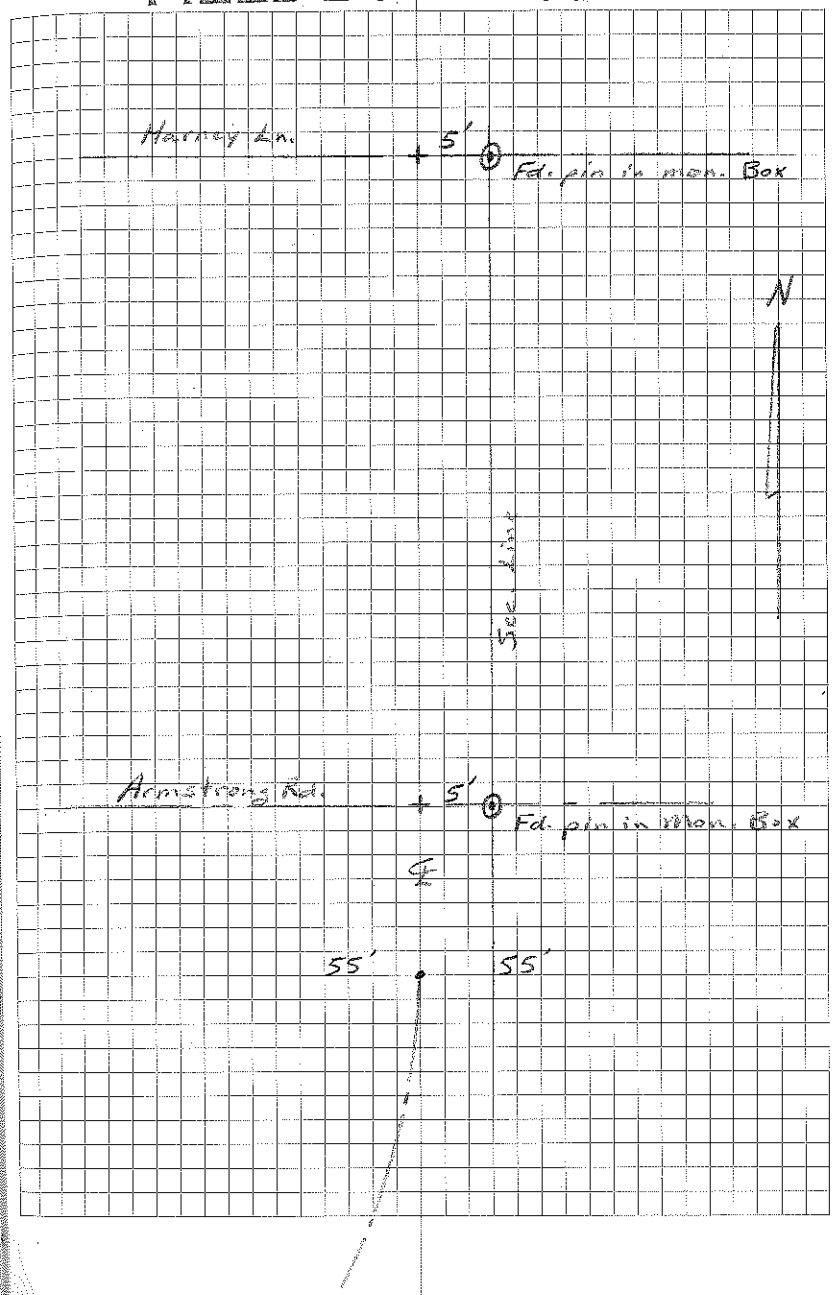
433+50.76 P.O.T. Fd. PK

431+22.56 E.C. Set Hub

T3N R6E

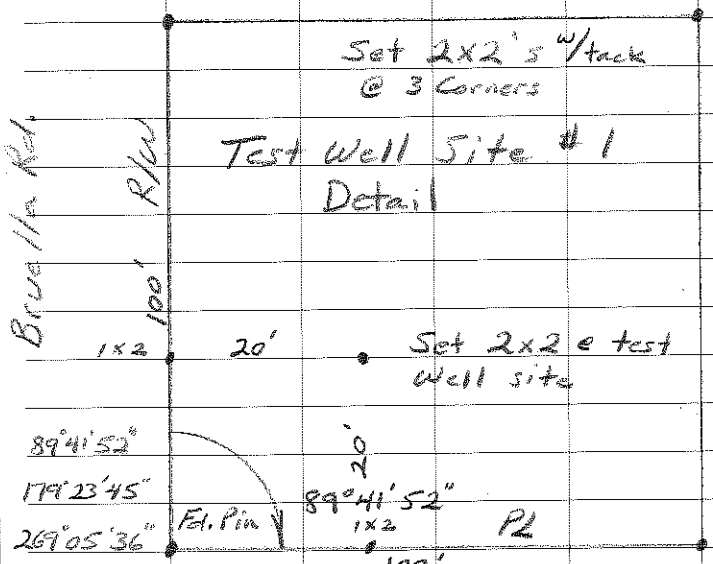
| 23 | 24 |
|---|---|
| 26 | 25 |





Bruella Road
(Victor Water System Test Well
Site #1)

| Sta. | Align | Description |
|---|---|---|
| | P.O.T. | Fd. Nail & Shiner on ℄ |




Set N&S on ℄

Set N&S on ℄

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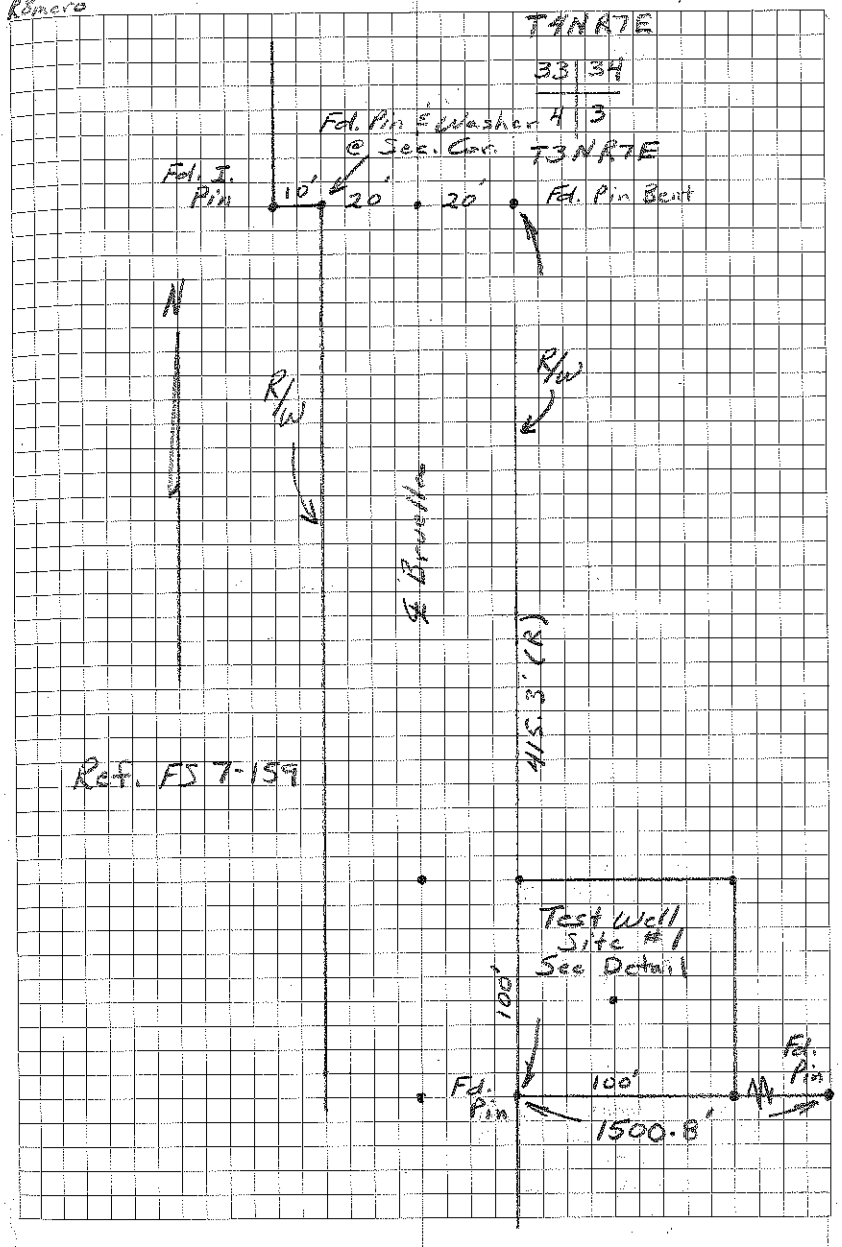
Arguelada
Romero

FIELD BOOK 686

(23)



Ham Lane
(Eight Mile Rd. to West Lane)

| Sta | Align. | Defl. | Description |
|---|---|---|---|
| 52+72.82 | | Δ 0°4'42" Lt. | Fd Pin |
| | | (0°4'55" Lt. R) | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 26+39.04 | P.O.T. | | Fd. R.R. spike 0.2' |
| | | | below surface per |
| | | | FB 638 |
| | | | |
| | | | |
| | | | |
| | | | |
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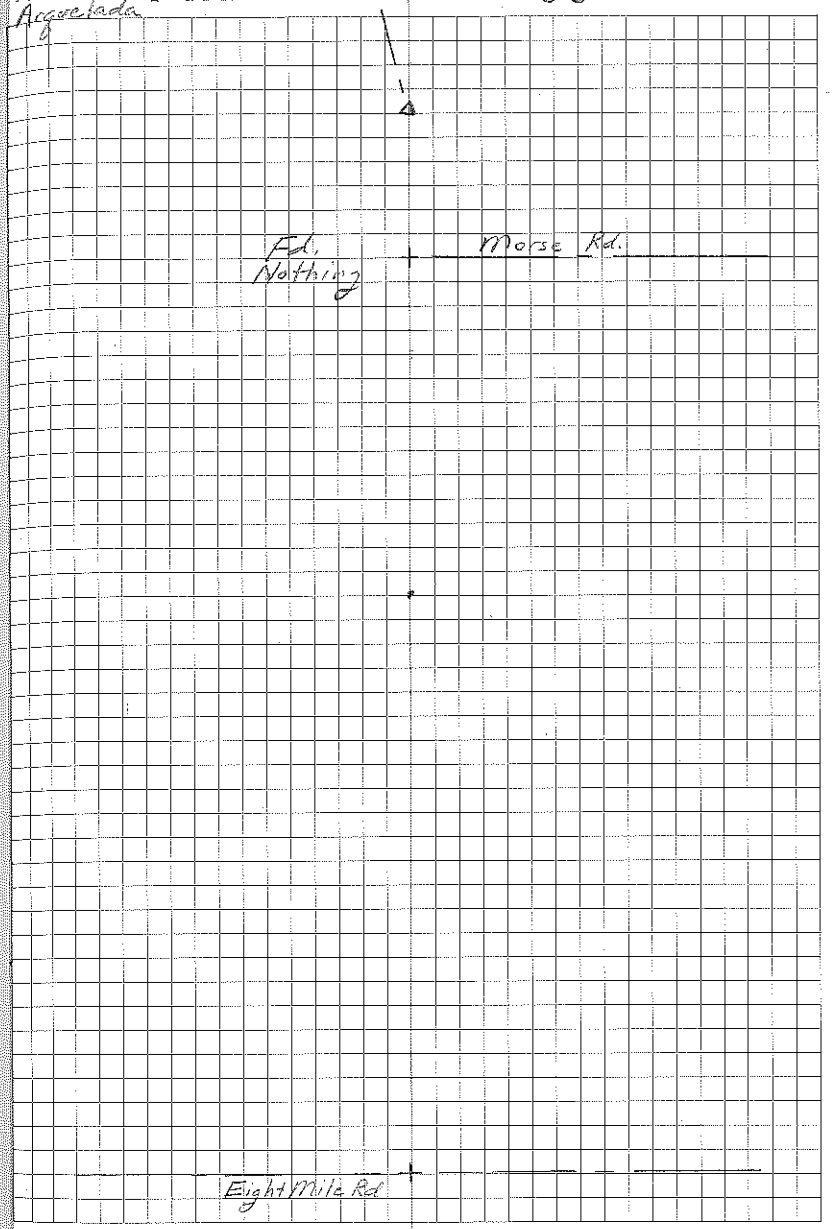
| | | | |
| | | | |
| | | | Fd. Mon. in Box per |
| | | | FB 688 |

Lyden
Romero
Arguelada

# FIELD BOOK 686

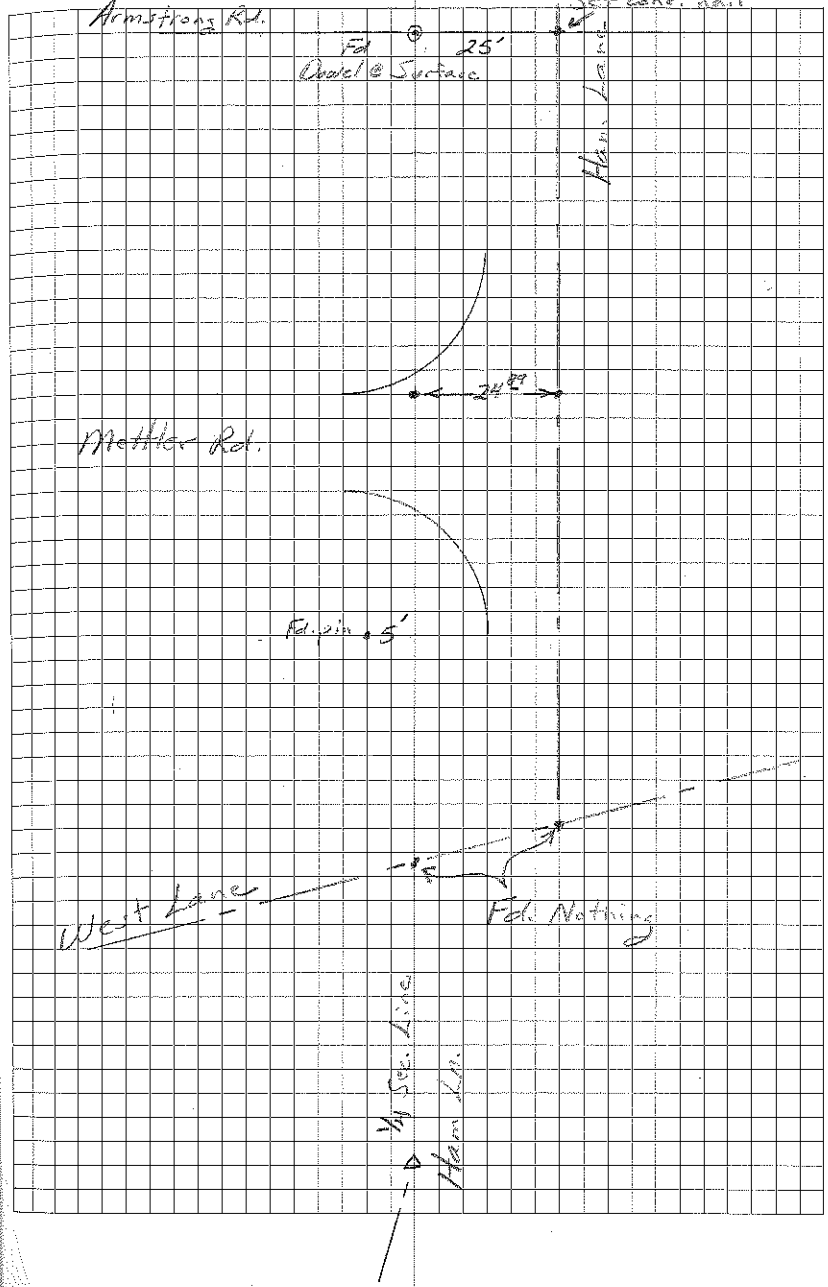
3-3-93

(24)



Ham Lane (Cont.)

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 65+95 | | | Fd. Pin & Washer in Radius of Mettler Rd. |
| 52+72 | | | |



Lyden
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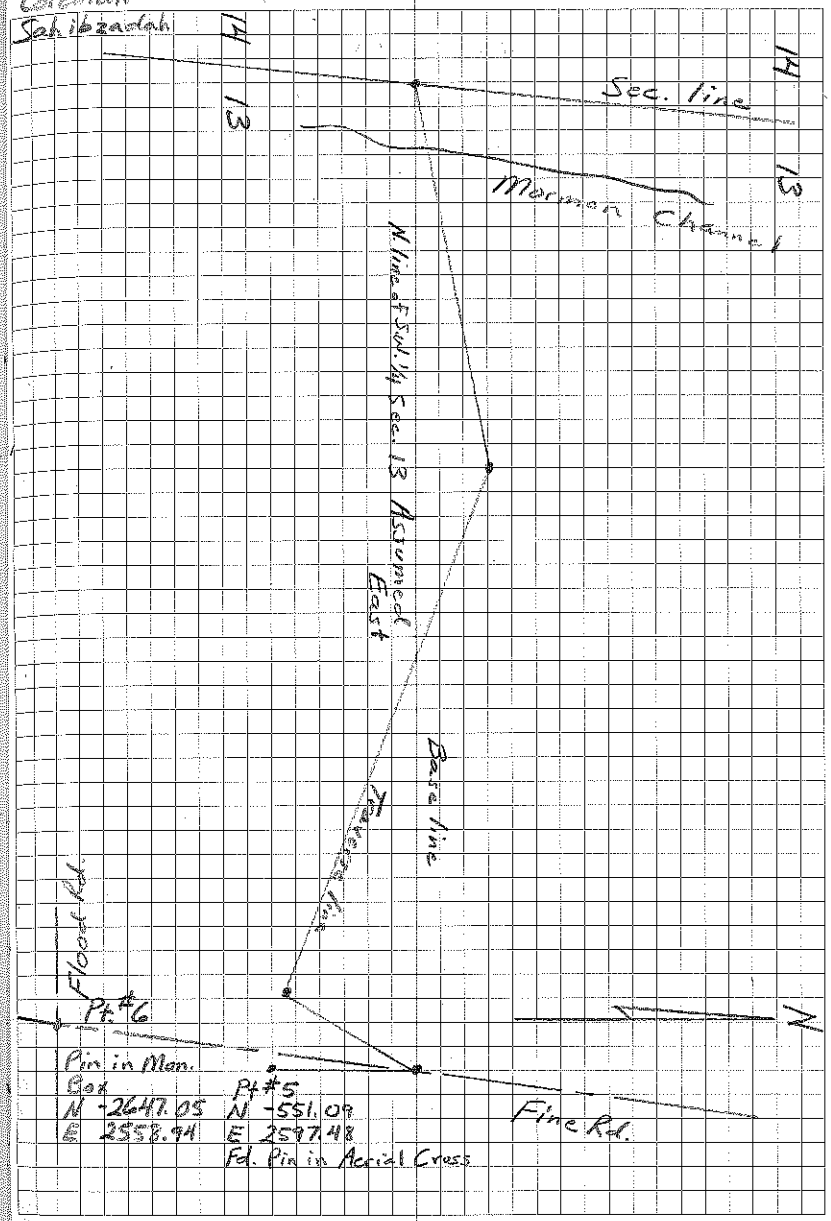
Corcoran

# FIELD BOOK 686 3-18-93 (26)

Baseline for Survey of Un-named Swale w/o Fine Rd. 1/2 mi. n/o Flood Rd. (W)

| Sta. | | Description | |
|---|---|---|---|
| 0+00 | Pt. #1 | Fd. 1" I. pin @ N.E. Cor. of 3/5 1/4 Sec. 14 Per. 4-95 T2N R8E N 0, E 0 | |
| | Pt. #2 | N 22.87, E 1129.29 | 2x2 w/Tack |
| | Pt. #3 | N -129.65, E 2554.12 | 2x2 w/Tack |
| 26+06.67 | Pt. #4 | Fd. Mon. Box w/Collapsed lid pulled ties per FB 683 to establish center of Sec. 13 N 0, E 2606.67 | |



Airport Way (@ French Camp Rd.)

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 111+82.00 | E.C. | | Set 2x2 w/tack |
| 103+77.70 | BC. | | Set 2x2 w/tack |
| 100+00 | Δ | 0°28'03" Rt. | Fd. Mon. in Box |
| 92+24.32 | EC. | | Set. N&S |
| 92+27.17 | BC. | | Set. N&S |

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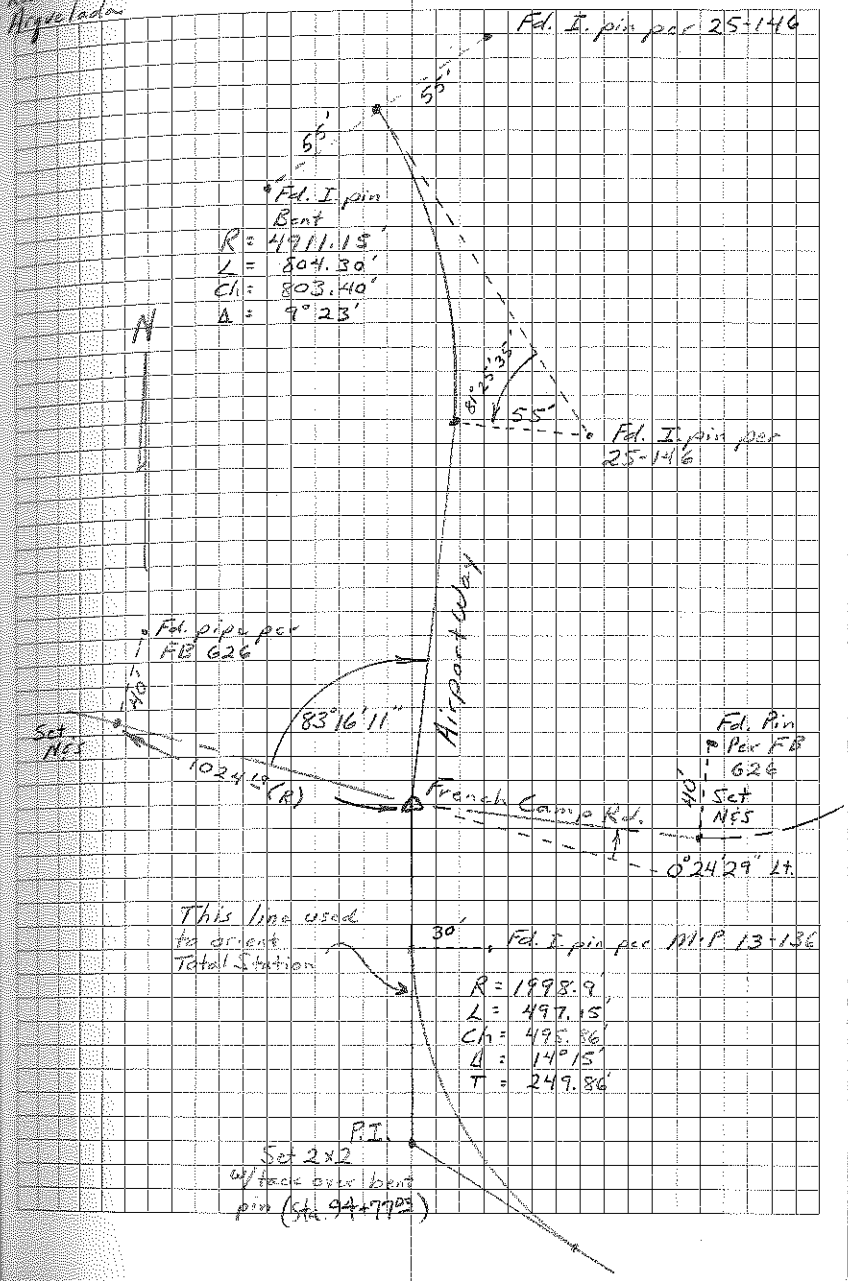
# FIELD BOOK 686

3-30-93 (27)



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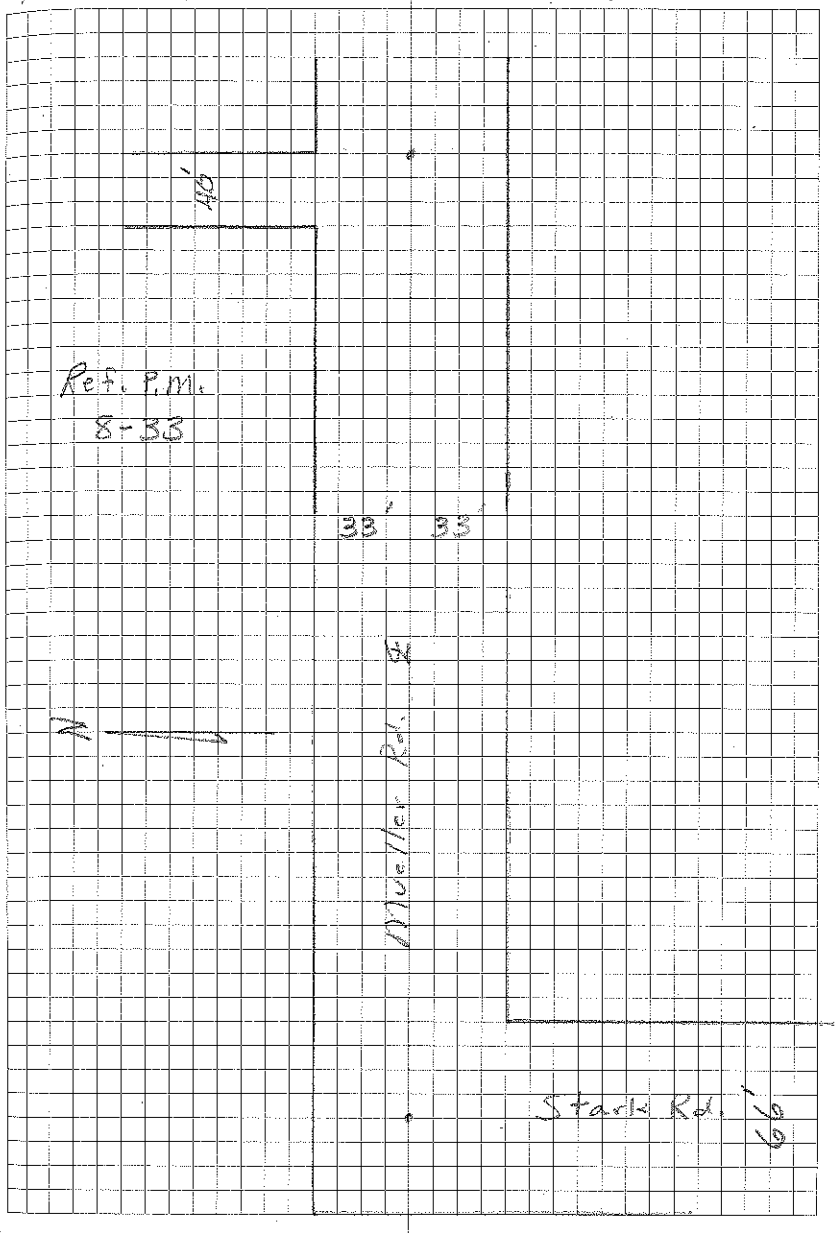
FIELDBOOK 686

4-1-93

(28)

Mueller Rd.
(Stark to Maybeck)

| Sta. | Description |
|---|---|
| 26+36.4 | Fd. Pin in Mon. Box ⊡ Sec. 25 T1NR5E |
| 0+00 | Fd. P.K. on Surface 26 \| 25 |



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# FIELD BOOK 686

(29)

4-1-93

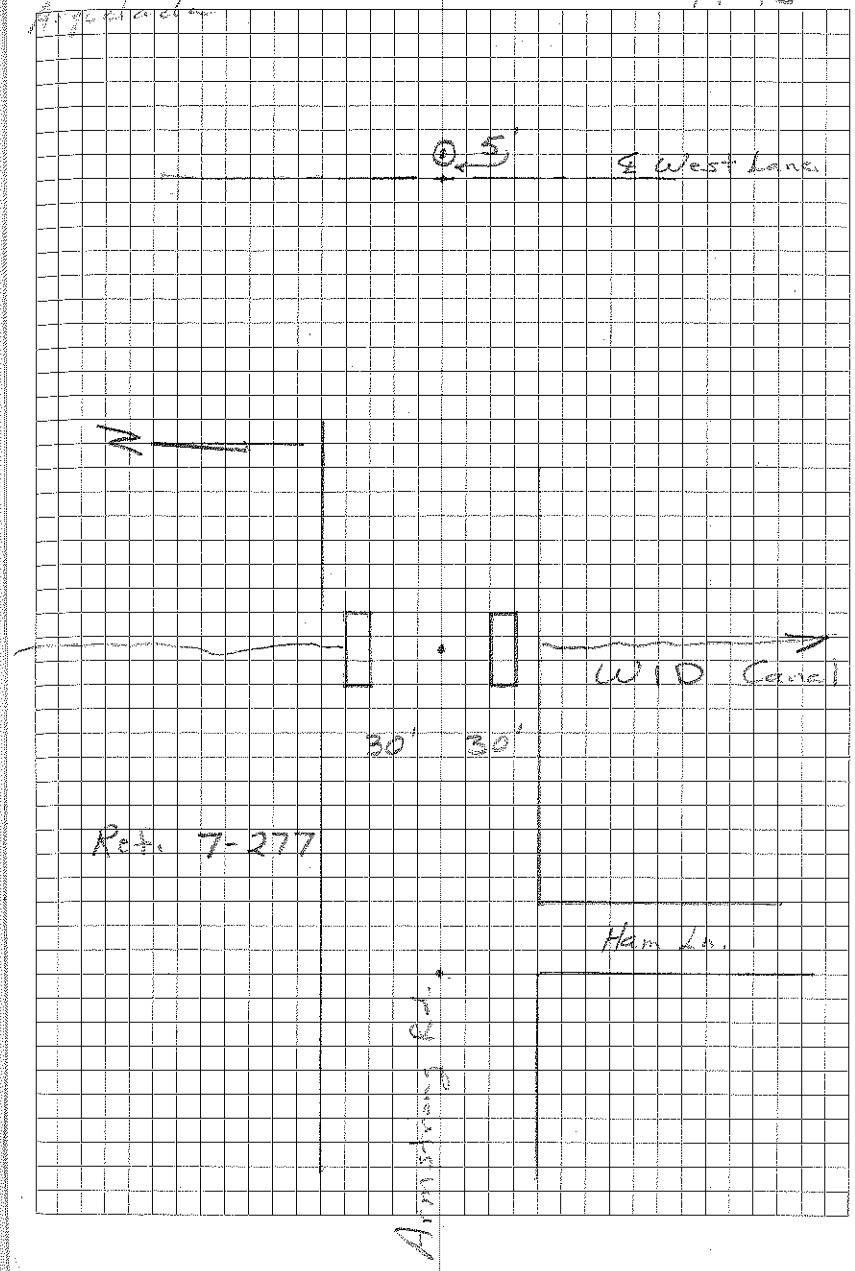
Armstrong Rd
Ham to West Ln.

| Sta. | Description | | |
|---|---|---|---|
| | 23 | 24 | |
| | | | Fd. Pin in |
| | 26 | 25 | Mon. Box |

5+00 — Set Nail & Shiner @ ℄ Structure over W.I.D. Canal

1+39.32 — 23 — Fd. Dowel @ Surface
26

T3NR6E



Fairchild Road

Waterloo to Vignolo

| Sta | Align. | Defl. | Description |
|---|---|---|---|
| 7+99 24 | Δ | 38°41'45" Lt. | Fd. 3/4" I. pipe 2' deep Per P.M. 7-109 Set 2x2 w/tack over |
| 4+74 21 | P.O.T. | | Set N&S @ ℄ Conc. structure |
| 0+00 | | | Fd. pin in Mon. Box |

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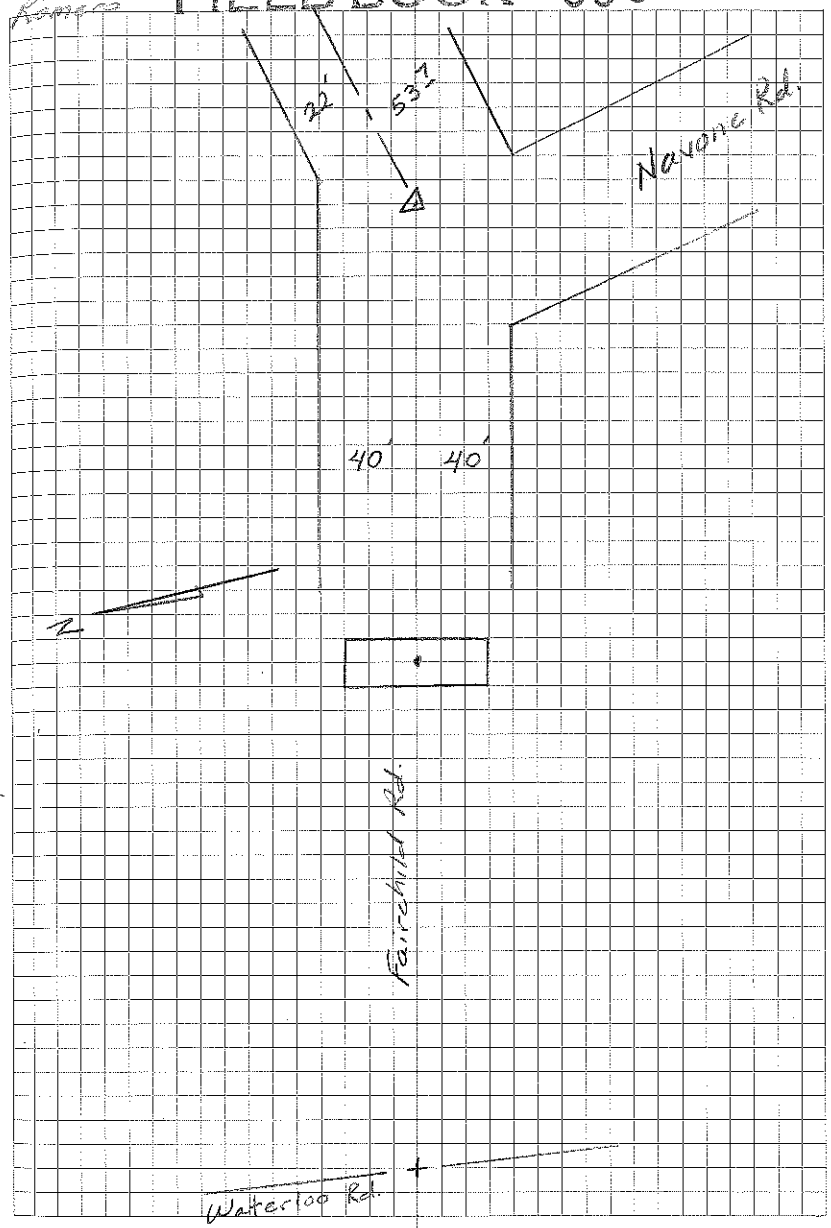
Arguelada
Romero

4-8-93 (30)

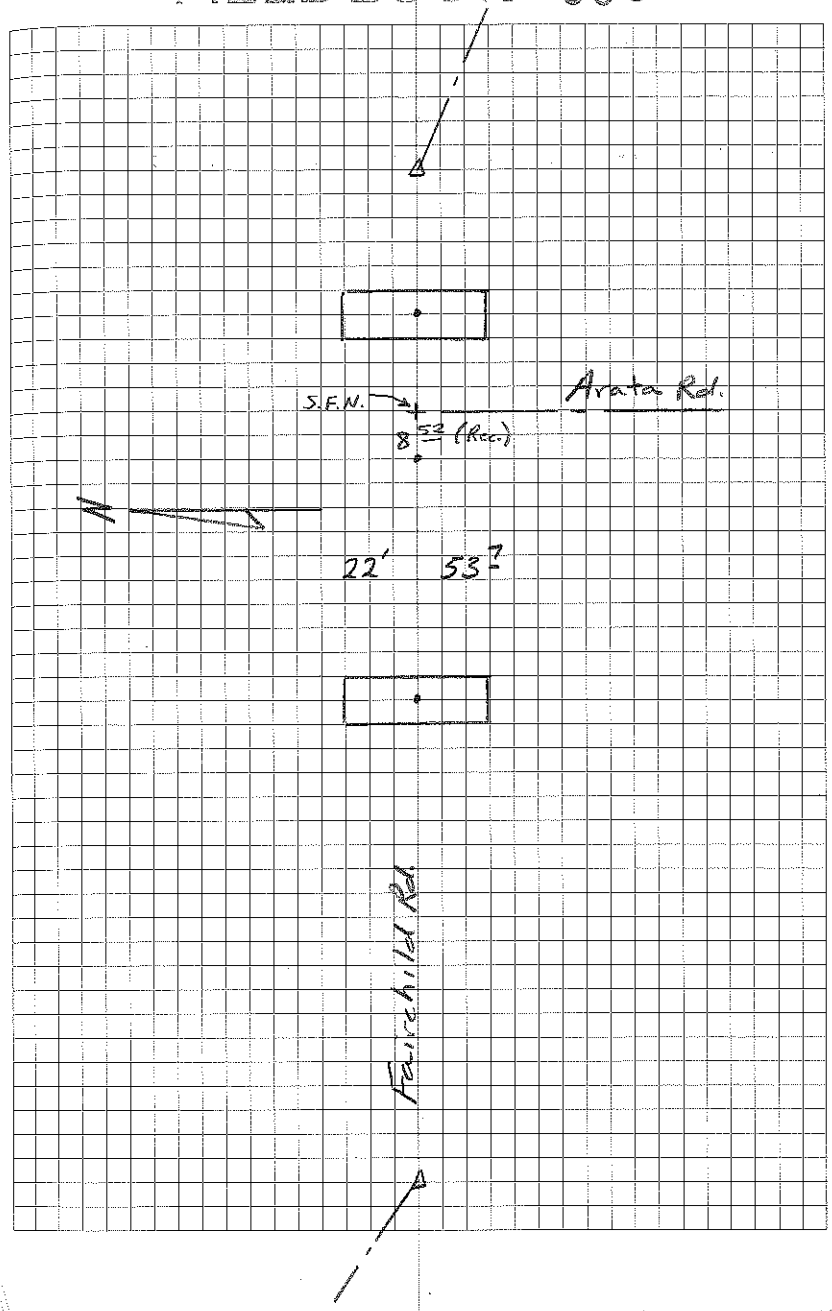
FIELD BOOK 686



Fairchild Rd.

| Sta | Align. | Defl. | Description |
|---|---|---|---|
| $21+79^{67}_{--}$ | Δ | 2°43' Rt. Rec FB 514 | Fd. R.R. Spike Per 17-137 |
| $19+29^{64}_{--}$ | P.O.T. | | Set N&S @ ℄ Struct. |
| $18+85^{89}_{--}$ | P.O.T. | | Fd. R.R. spike Per 17-137 |
| $15+75^{35}_{--}$ | P.O.T. | | Set N&S @ ℄ Struct. |
| $7+99^{24}_{--}$ | | | |

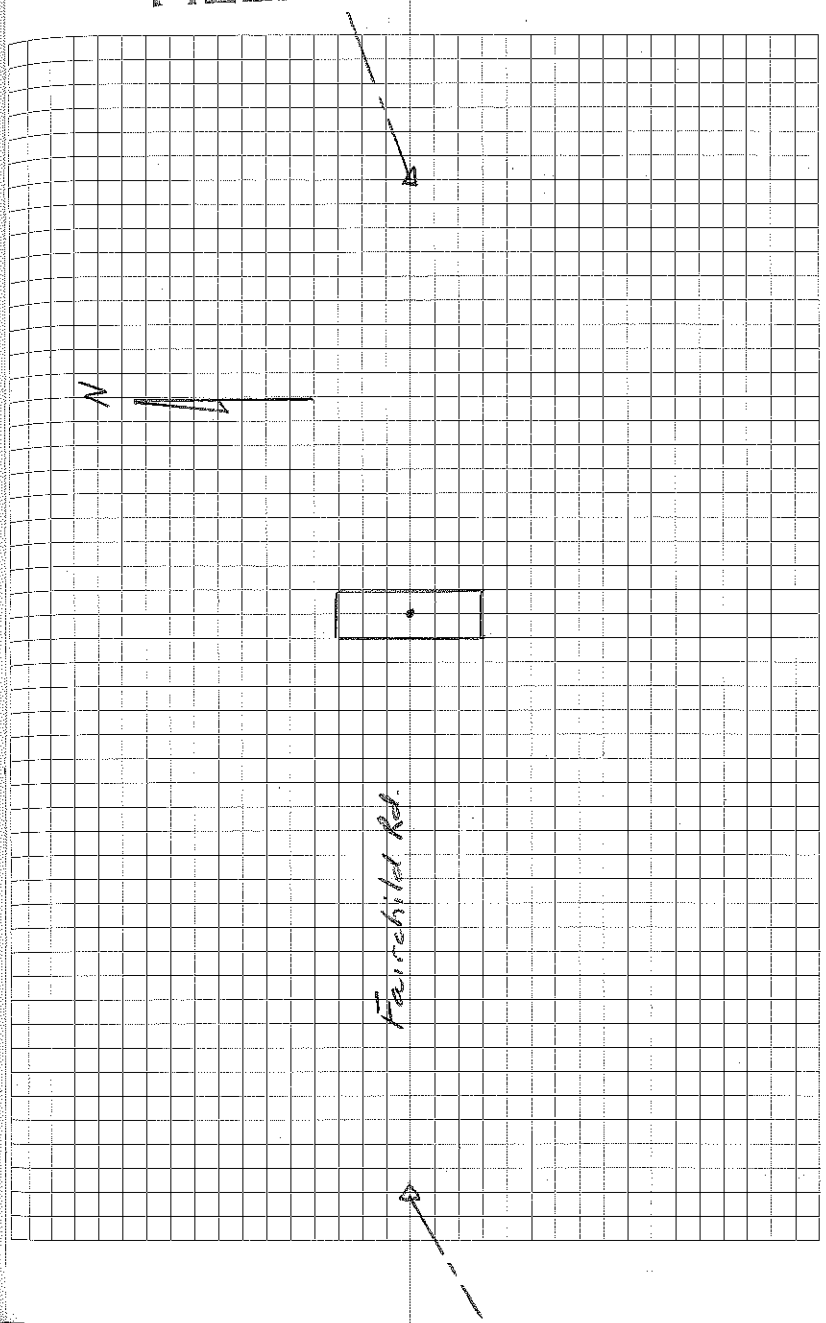
FIELD BOOK 686 (31)



Fairchild Rd

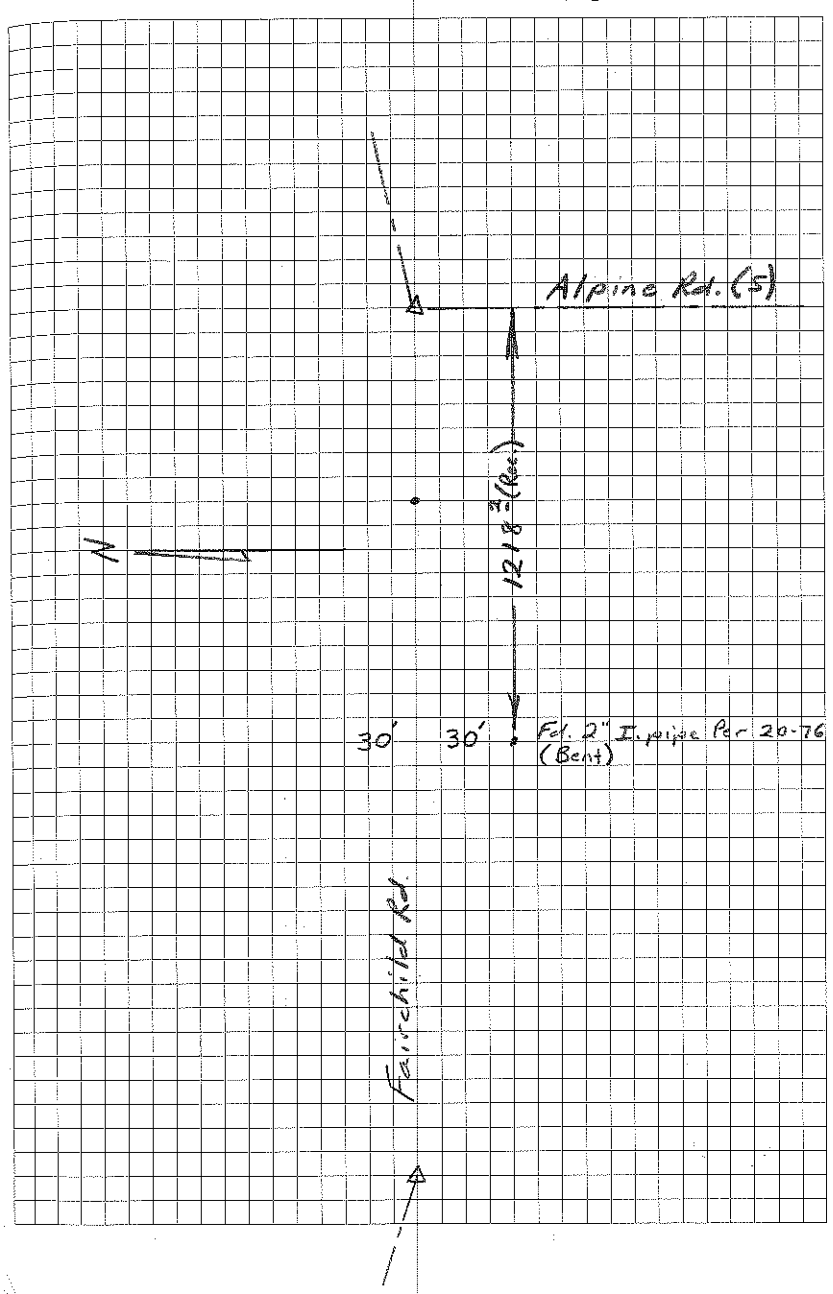
| Sta | Align | Defl. | Description |
|---|---|---|---|
| 26+50.36 | Δ | 2°52'23" Lt. | Set N&S by straddlers |
| 24+38.41 | P.O.T. | | Set N&S @ ℄ Struct. |
| 21+79.67 | | | |





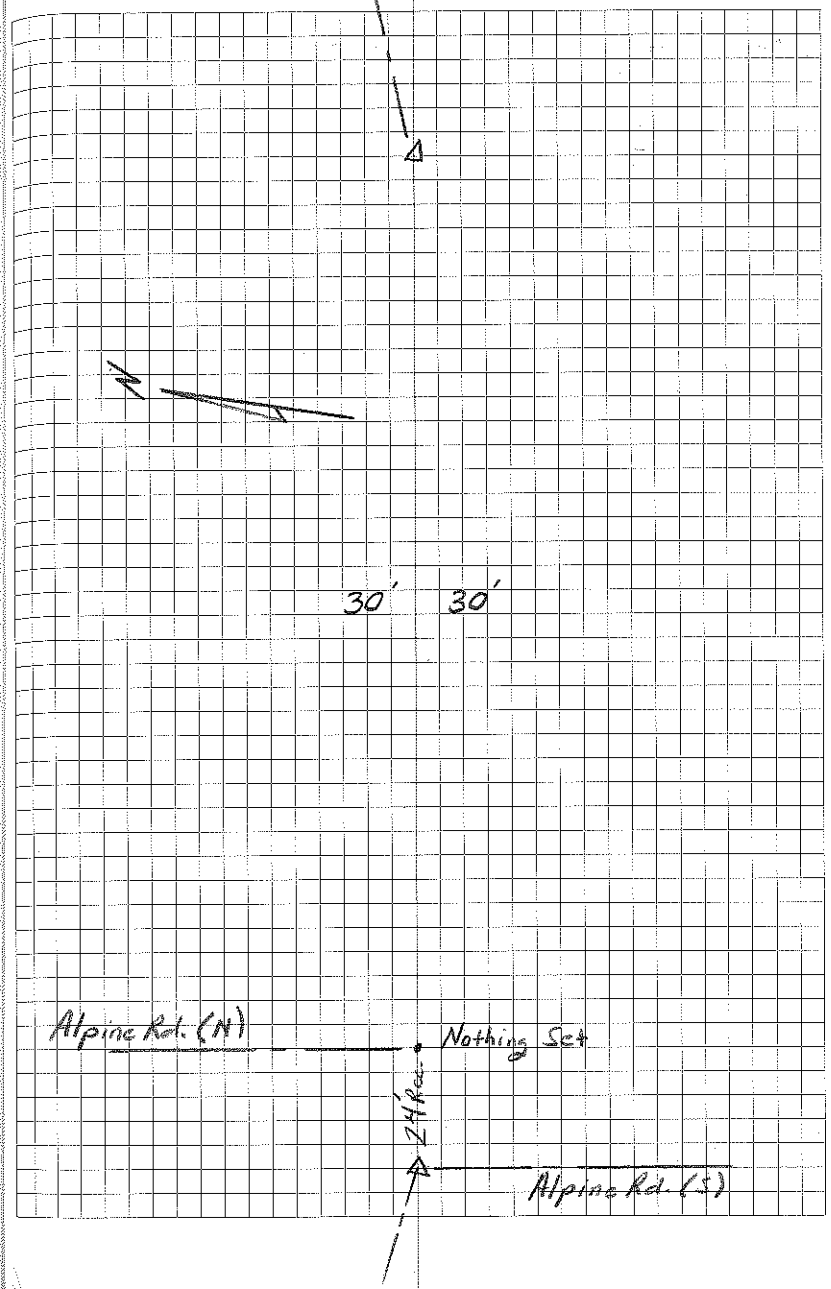
Fairchild Rd.

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 47+01.65 | Δ | 0°07'18" Lt. | Fd. Spike Per 17-137 ℄ 20-76 |
| 42+98.74 | P.O.T. | | Fd. R.R. Spike Per 20-76 |
| 26+50.36 | | | |



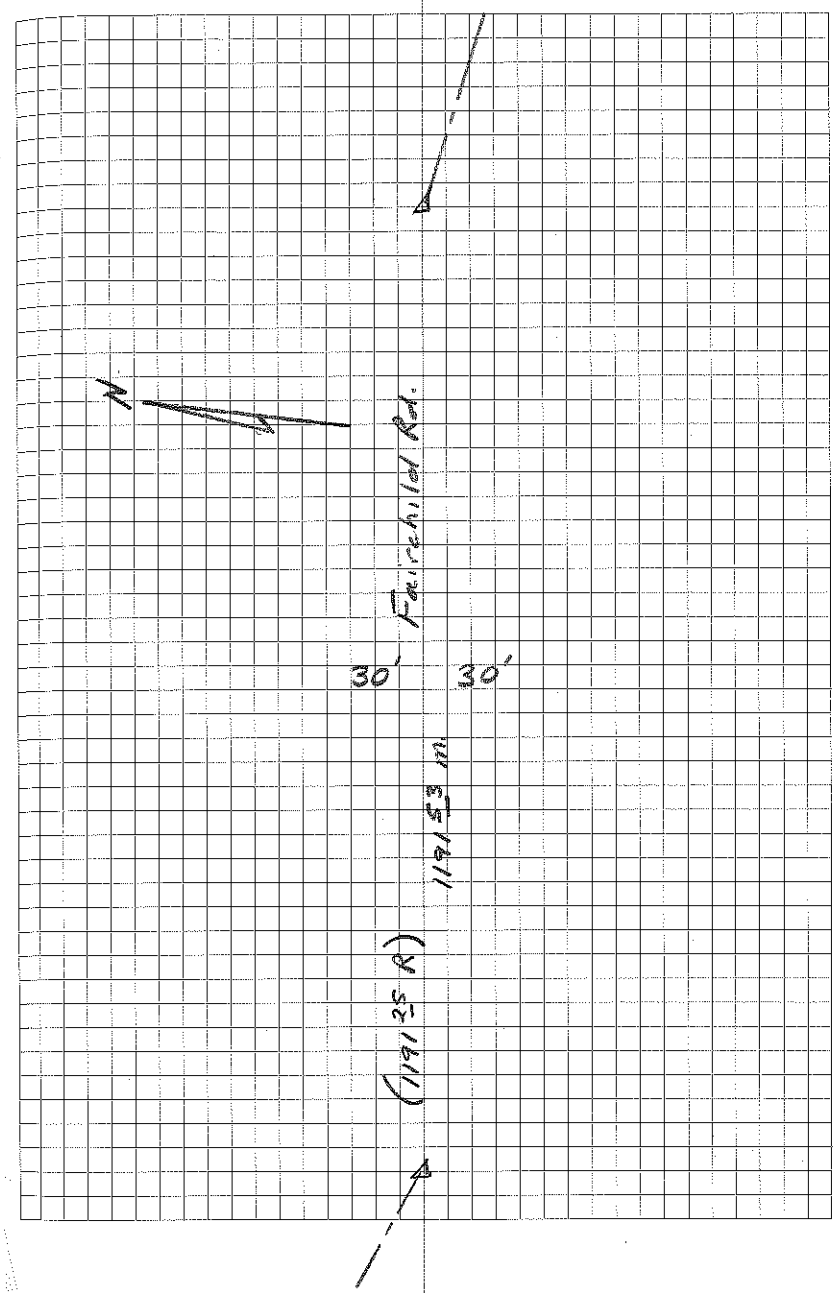
Fairchild Rd.

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 57+26.04 | Δ | 3°30'35" Lt | Fd. Pin Rec 17-27 |
| 47+01.65 | | | |



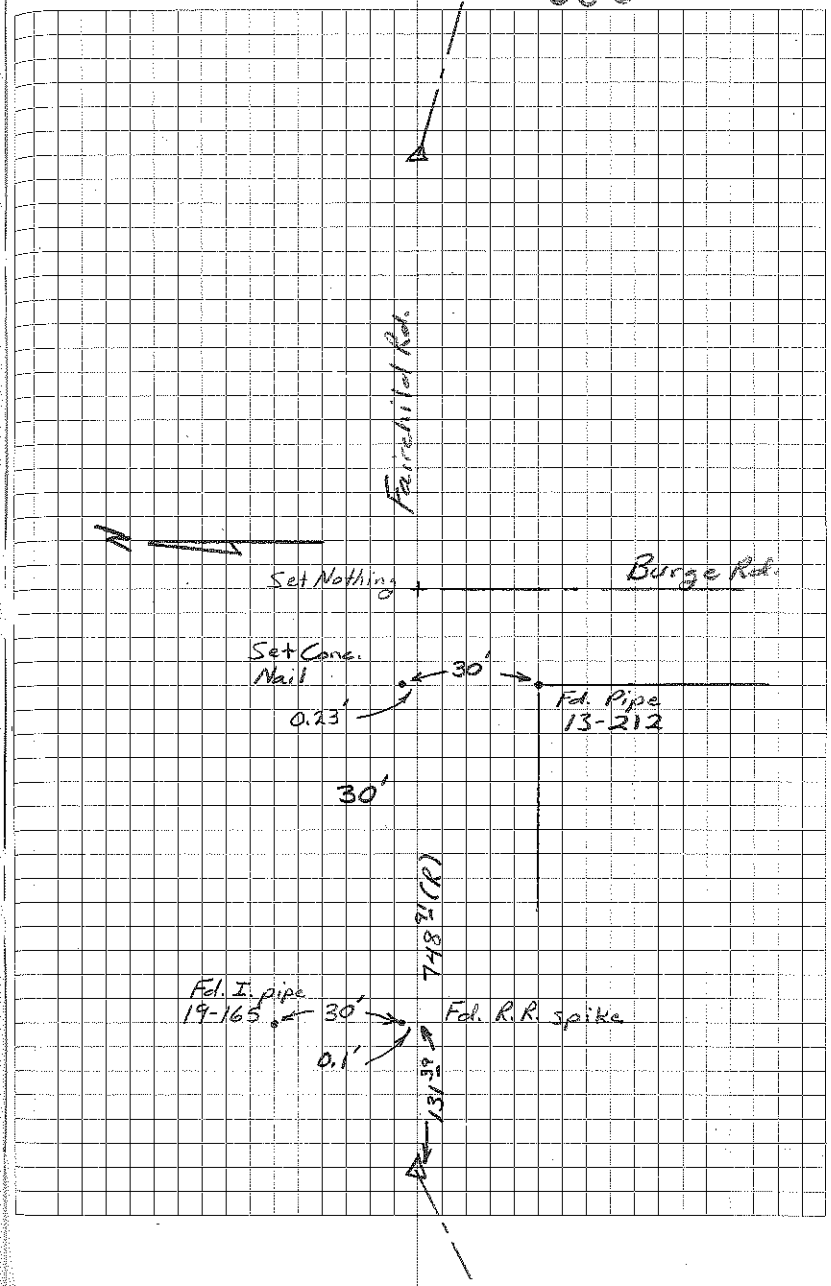
Fairchild Rd

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 69+17.57 | Δ | 3°38'34" Rt. | Fd. pipe Per 13-212 Set spike inside |
| 57+26.04 | | | |



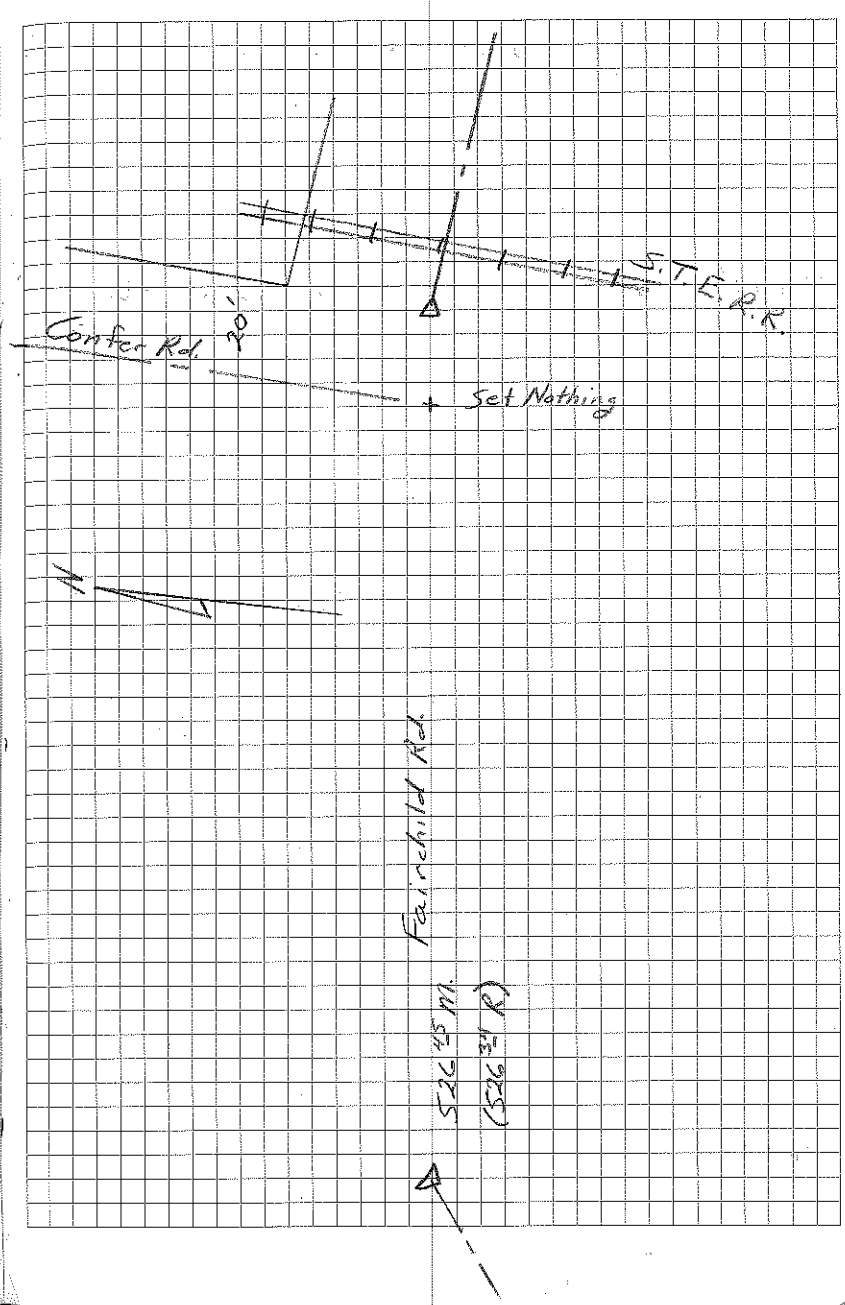
Fairchild Rd.

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 86+51.14 | Δ | 0°13'09" Rt. | Fd. R.R. spike Rec 19-165 |
| 69+17.57 | | | |



Fairchild Rd.

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 91+77.59 | Δ | 0°30'31" Rt. | Fd. R.R. Spike Per 19-165 |
| 86+51.14 | | | |



Fairchild Rd.

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| $99+30^{60}$ | " | " | Fd. Bolt Per FB 58 |
| $(100+57^{84}$ p. 18 this Book) | | | |
| $98+44^{74}$ | P.O.T. | | Set N&S @ ℄ Struct. |
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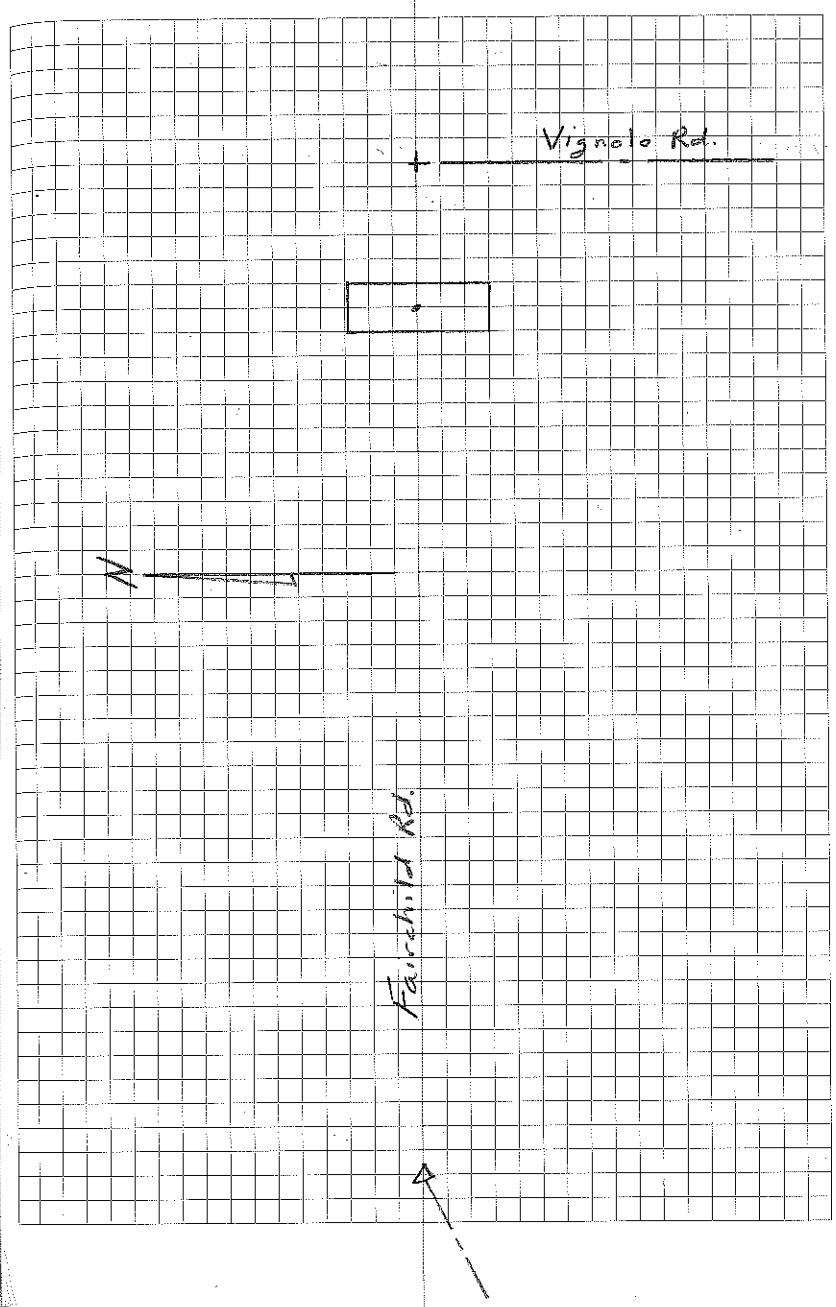
| $91+77^{57}$ | | | |



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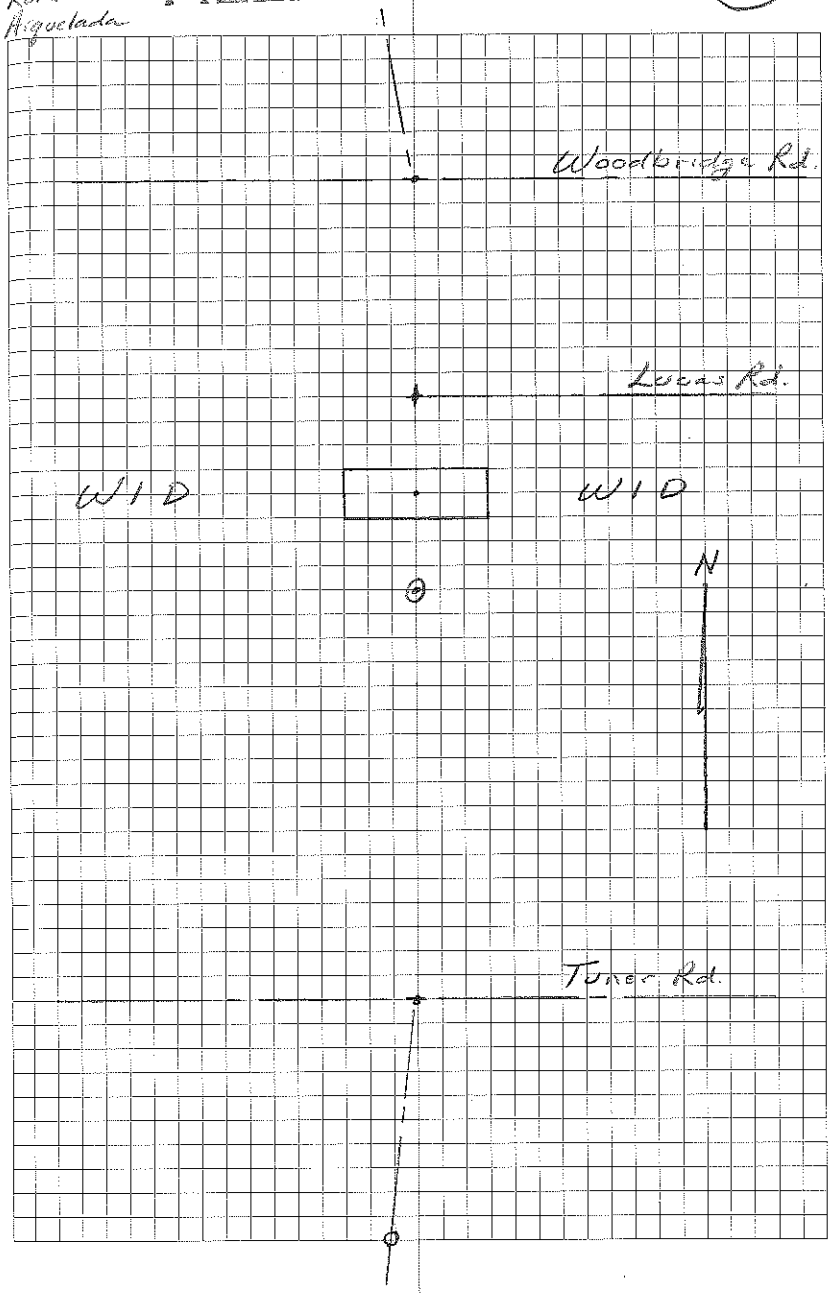
# FIELD BOOK 686



## Davis Rd.
## (Turner to Woodbridge)

| Sta | Align. | Defl. | Description |
|---|---|---|---|
| 480+64 [71] | Δ | 0°26'30" Lt. | Fd. Pin in Mon. Box |
| | | | Turned Rec. Per FB 634 |
| 467+39 [70] | P.O.T. | | Fd. Pin & Washer @ Lucas |
| 454+40 [26] | P.O.T. | | Set. N & S @ Δ Struct. |
| 454+19 [72] | P.O.T. | | Fd. Pin in Mon. Box |
| 427+74 [73] | Δ | 0°29' Lt. | Fd. Bolt |
| Sta. Per | | (Rec.) | |
| FB 634 | | | |
| 397+74 [62] | | | Fd Pin in Mon Box |



Lydia Romero

# FIELDBOOK 686



## Davis Road Ties (Turner to Woodbridge)

| Sta. | | Description |
|---|---|---|
| 467+39 70 | P.O.T. | Fd. Bolt & Washer |
| 454+19 72 | P.O.T. | Fd. Pin in Mon. Box |
| 427+74 73 | Δ | Fd. Bolt @ surface |

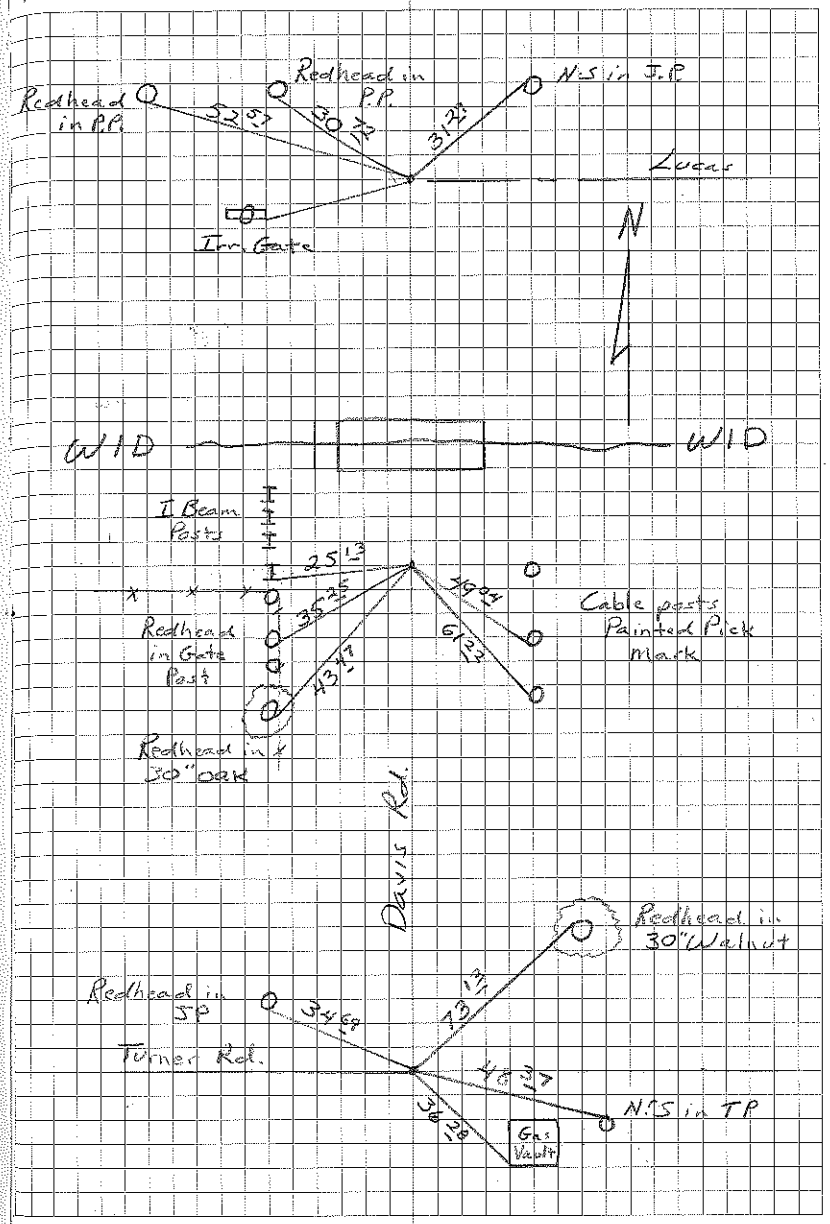
T4NR6E

| 32 | 33 |
|---|---|
| | |

T4NR6E

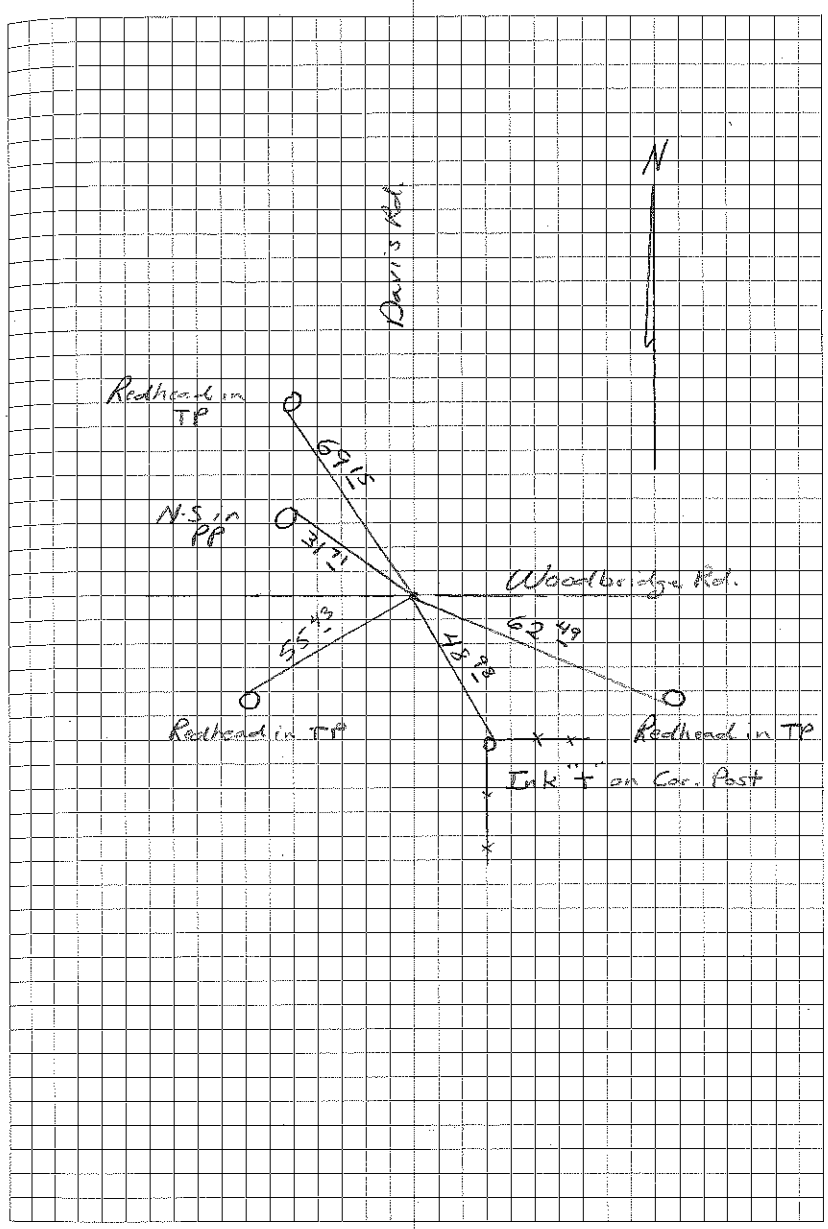
| 32 | 33 |
|---|---|
| 5 | 4 |

T3NR6E



Davis Rd. Ties (Cont.)

| Sta. | | Description | |
|---|---|---|---|
| | | | 29 \| 28 |
| 480+64.79 | Δ | Fd. Pin in Mon. Box | 32 \| 33 |
| | | | T4NR6E |



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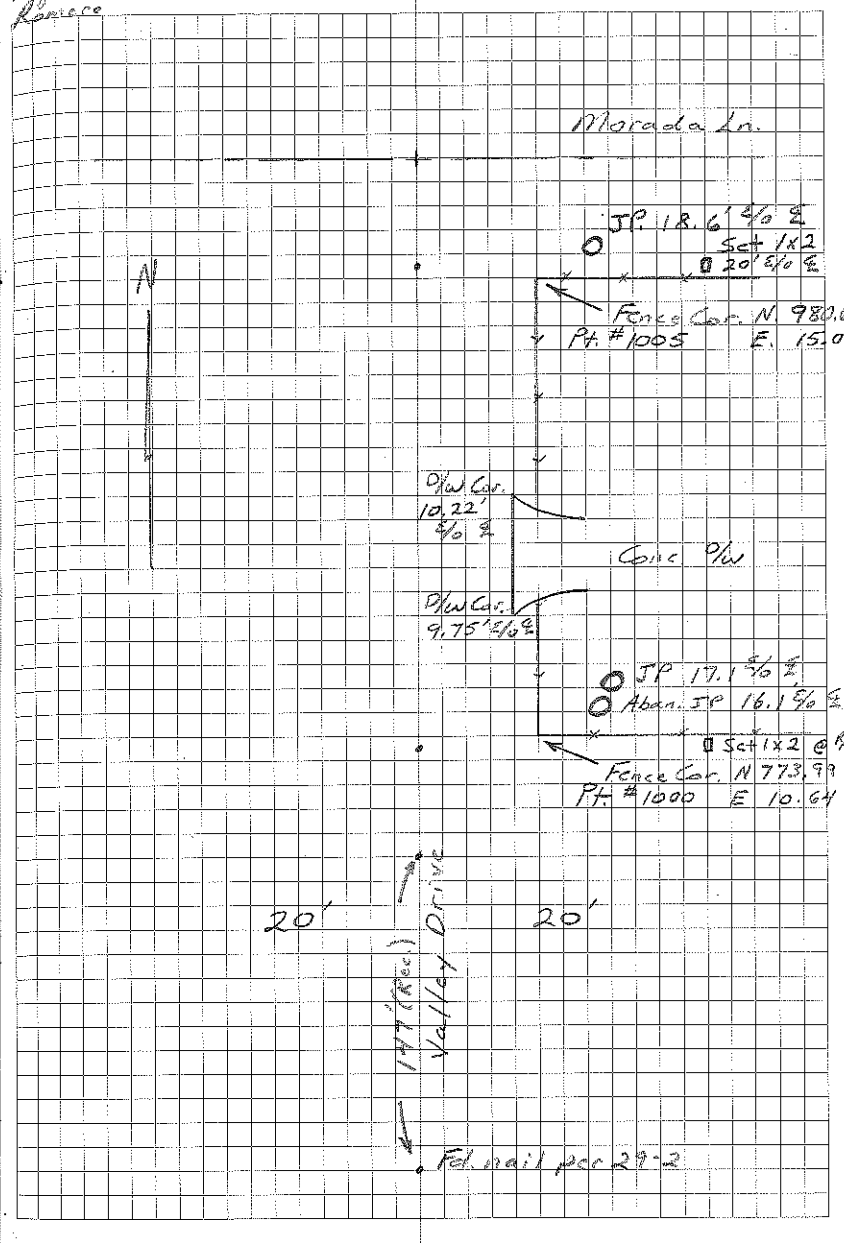
# FIELD BOOK 686

5-14-93 (42)

## Valley Drive

| Sta | Align. | Description | |
|---|---|---|---|
| 10+00 | | Fd. P.K. & Washer | Pt. #1 |
| | N 1000<br>E 0 | Per 29-2 | |
| 9+80.57 | P.O.T. | Set conc. nail | |
| 7+73.92 | P.O.T. | Set conc. nail | |
| 7+00.23 | P.O.T. | Fd. nail per 29-2 | Pt. #2 |
| | N 700.23 | | |
| | E. 0 | | |



French Camp Road
@ Union Rd.

| Sta | Align. | Description |
|---|---|---|
| 135+66.25 | B.C. | Set Nothing |
| | | |
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| | | |
| 142+94.85 | P.O.C. | Set P.K. & Shiner |
| | | |
| | | |
| | | |
| 144+81.34 (326+96.83) Union | P.O.C. | Set P.K. & Shiner @ ℄ Union Set by Straddlers |
| | | |
| 147+92.92 | E.C. | Set P.K. & Shiner |
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| | | |
| 317+49.06 Union | P.O.T. | Fd. I. Pin in Mon. Box Per FB. 626 |

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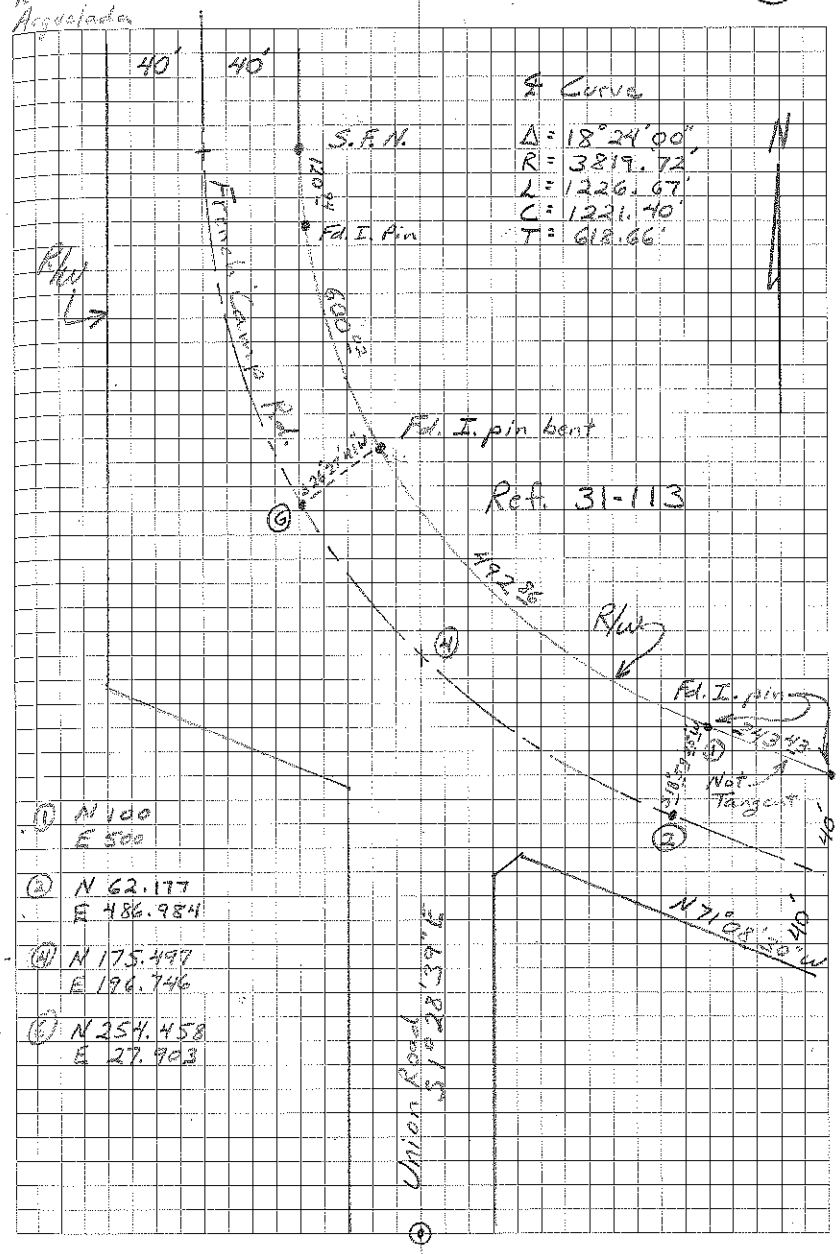
Romero
Agualado

FIELD BOOK 686 6-11-93 (43)



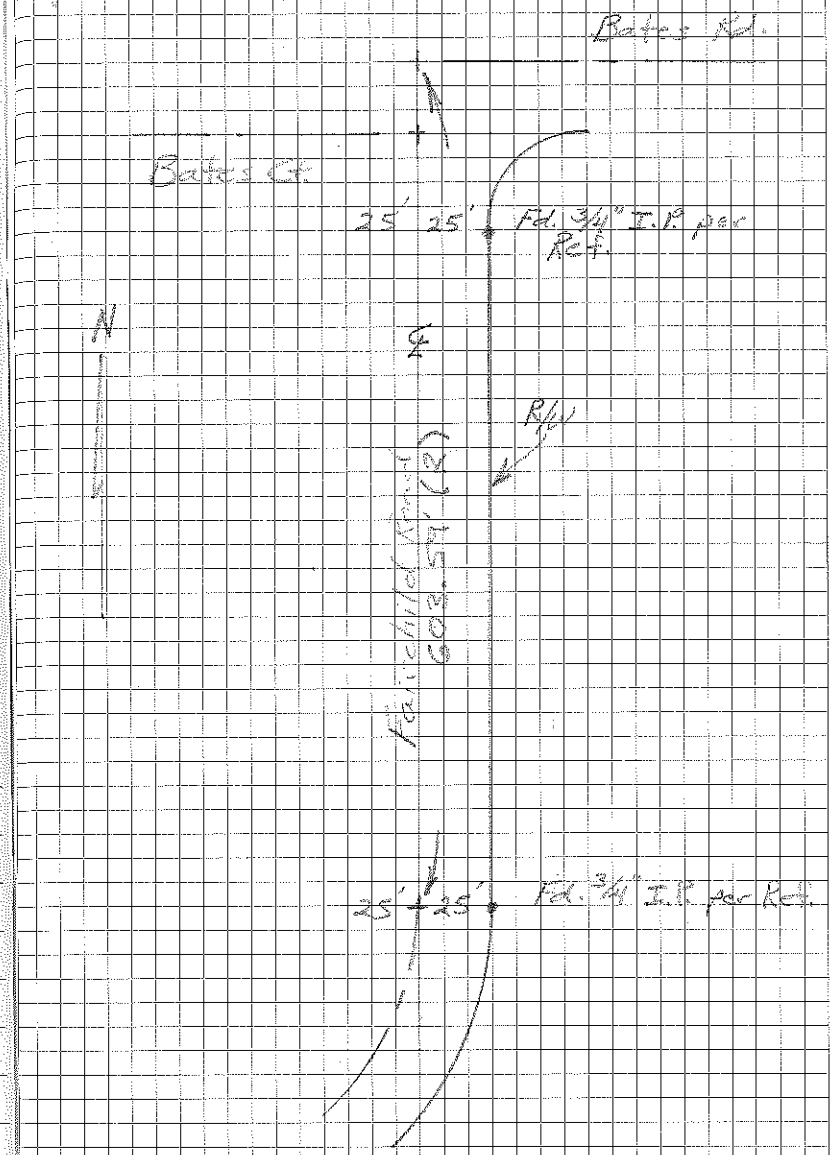
Fairoaks Road
(Bates Rd. to 600'± S/o Bates)

P.O.T. Fd. P.K. per Ref.

Ref. Mancuso Estates
Unit No. 1
Subdiv. Map

E.C. Set Nail & Shiner

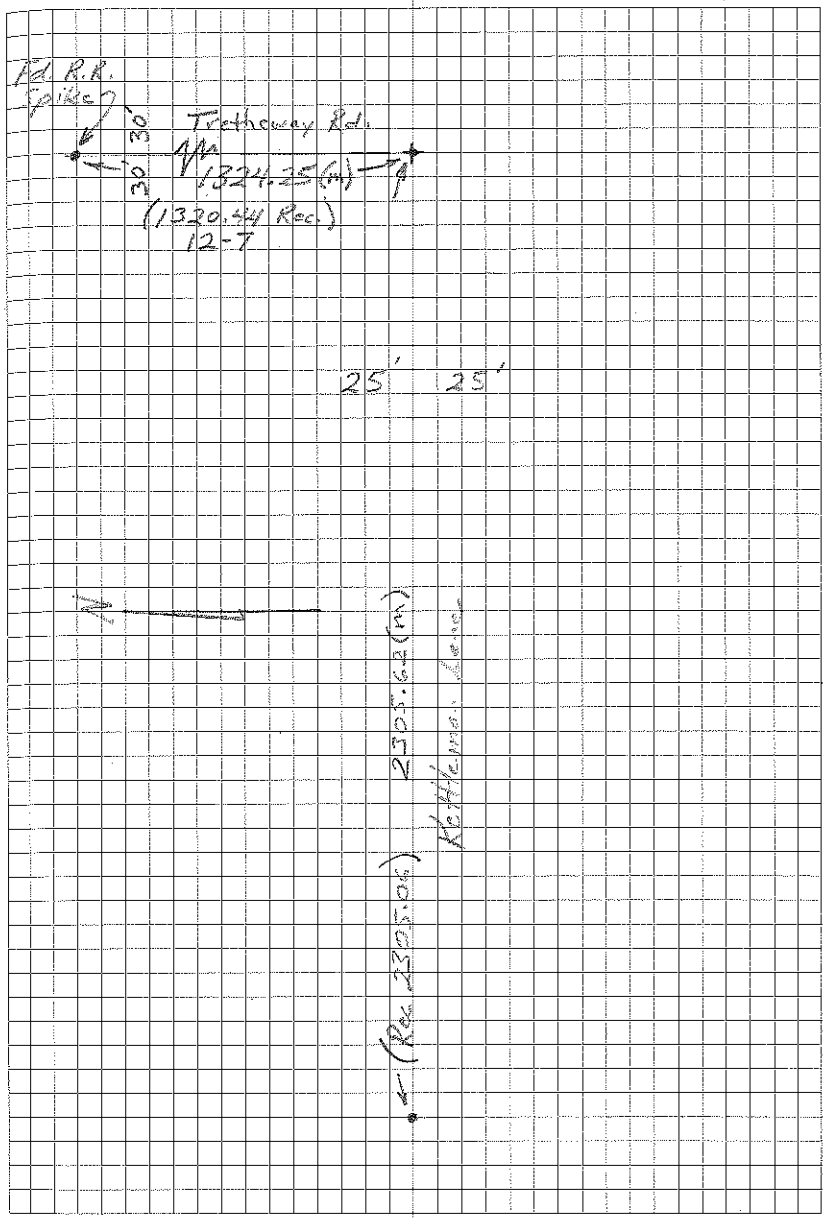
Lyden Romero FIELD BOOK 686 6-9-93 (44)



Lyden Trevino FIELD BOOK 686 6-15-93 (45)

Kettleman Lane
(1/2 mi. w/o Trethaway to Trethaway)

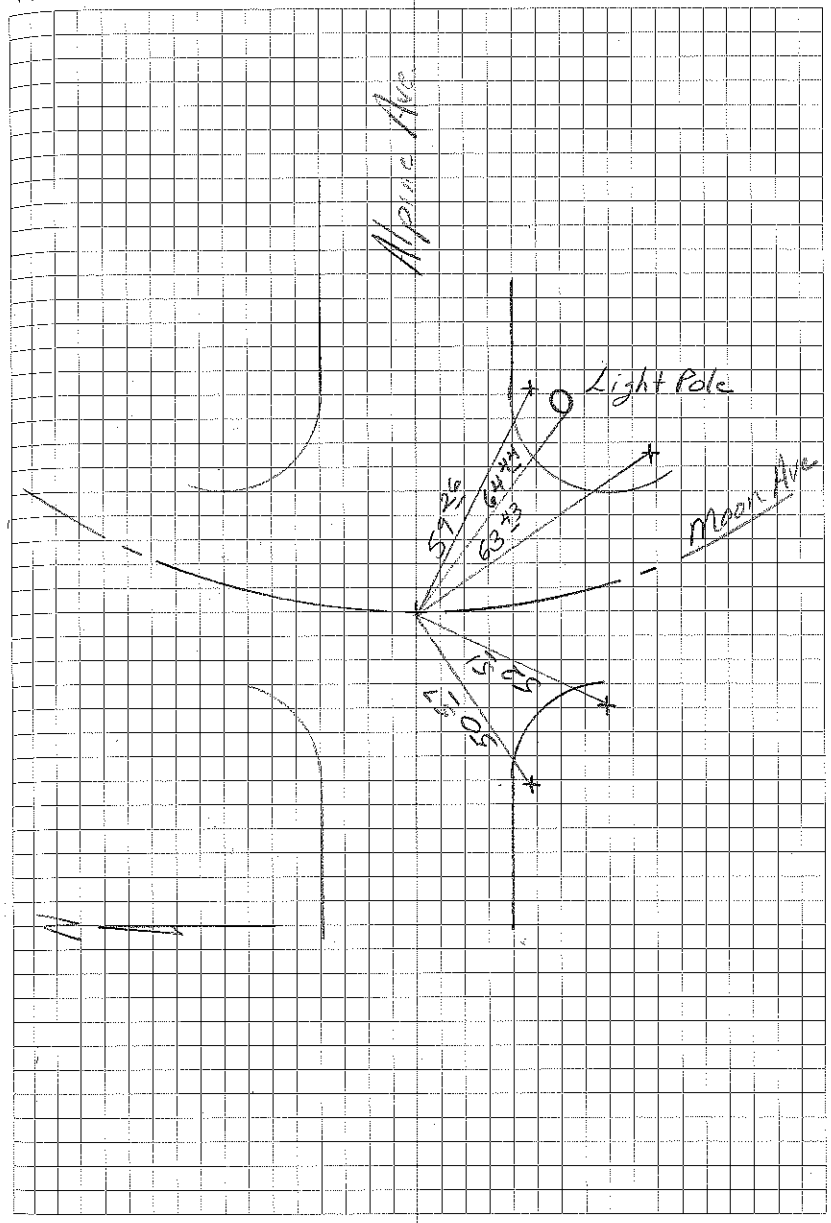
| Sta | Align | Description |
|---|---|---|
| 33+05.62 | P.O.T. | Fd. 3/4" pin per 12-7 |
| 10+00 | | Fd. R.R. spike per 12-7 |



Alpine @ Moon

Pin w/welded washer in Monument Box

Lyden Trevino FIELDBOOK 686 6-22-93 (46)



West Lane Subdivision
San Rafael Ave

| Sta | Align. | Description |
|---|---|---|
| 2+40.47 | E.C. | Set Nail & Washer |
| 0+40 | B.C. | Set Nail & Washer |
| 0+00 | | Set PK & Shiner @ ℄ Alpine |

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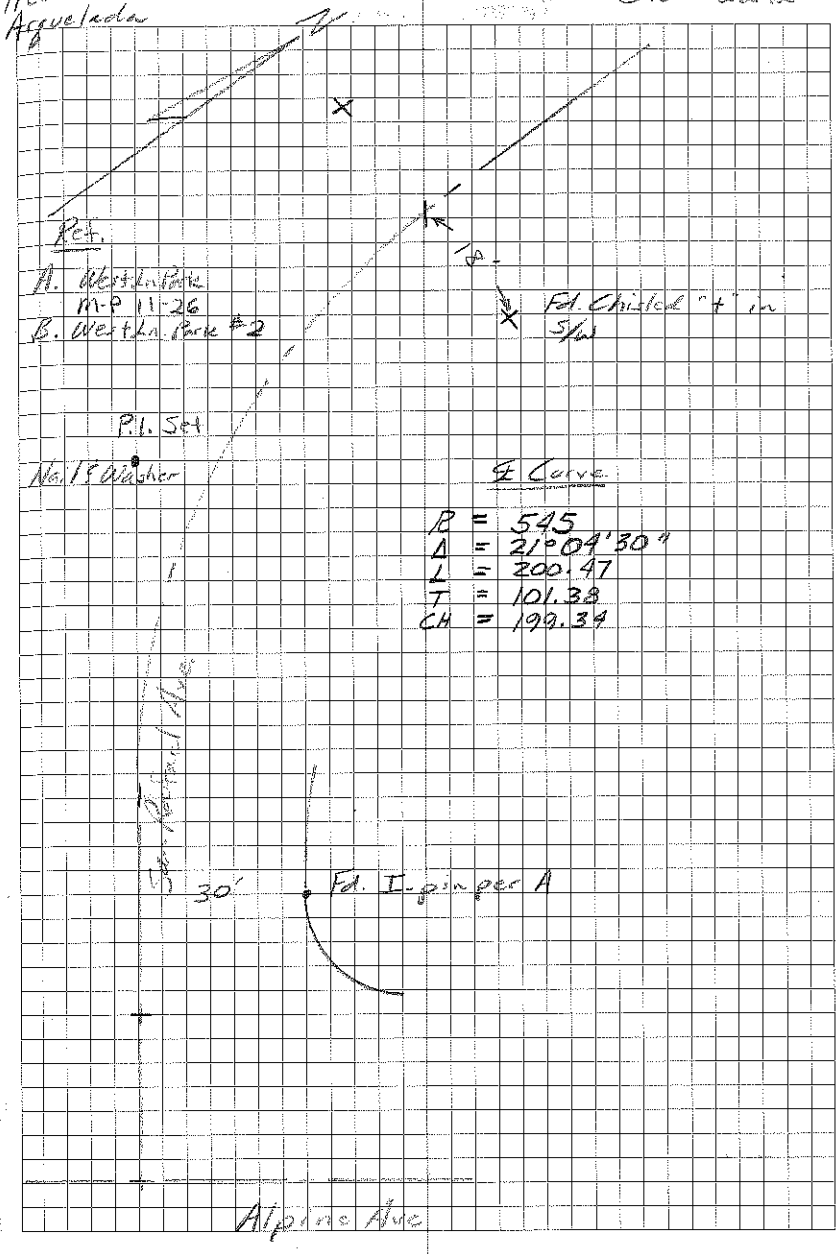
Trevino
Arguelles

FIELDBOOK 686 8-13-73 Clear-warm (47)



Lyden Trevino Arquitectos

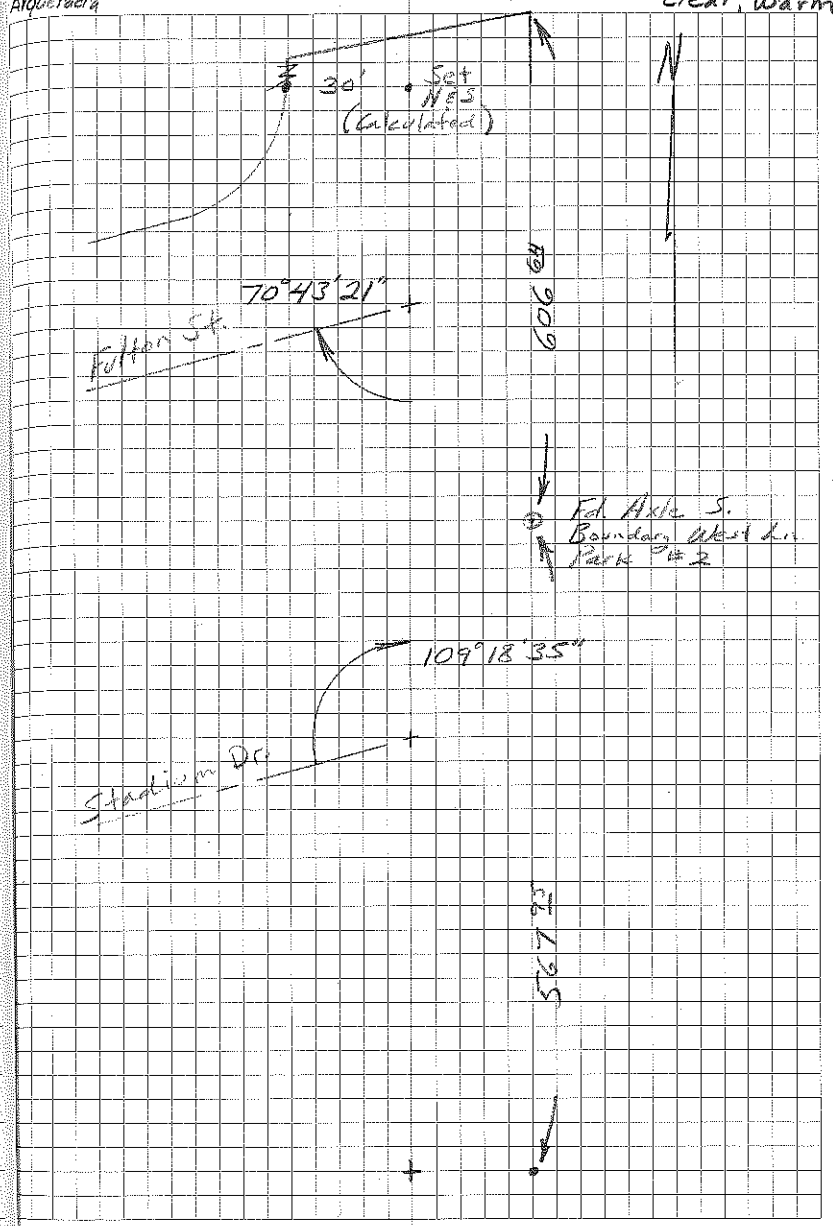
# FIELD BOOK 686

8-13-93 (48)

Clear, warm

San Rafael (Cont.)

| Sta. | Align | Description | |
|---|---|---|---|
| 11+77.48 | P.O.T | Set N&S @℄ Fulton | 70°43'19"<br>141°26'39"<br>212°10'02" |
| 6+00.32 | P.O.T | Set N&S @℄ Stadium | 109°18'34"<br>218°37'07"<br>327°55'46" |
| 2+40.47 | E.C. | | |



West Lane Subdivisions (cont.)

UTAH AVE.

| Sta. | Align. | Description |
|---|---|---|
| | P.O.T. | Set PK & Shiner |
| 5+44.93 | POT<br>89°58'04"<br>179°56'05"<br>269°54'09" | Set PK & Shiner @ ℄ Fulton St.<br>set by straddles |
| 0+00 | 90°00'03"<br>179°59'57"<br>270°00'00" | Set PK & Shiner @ ℄ Stadium Dr.<br>set by straddles |

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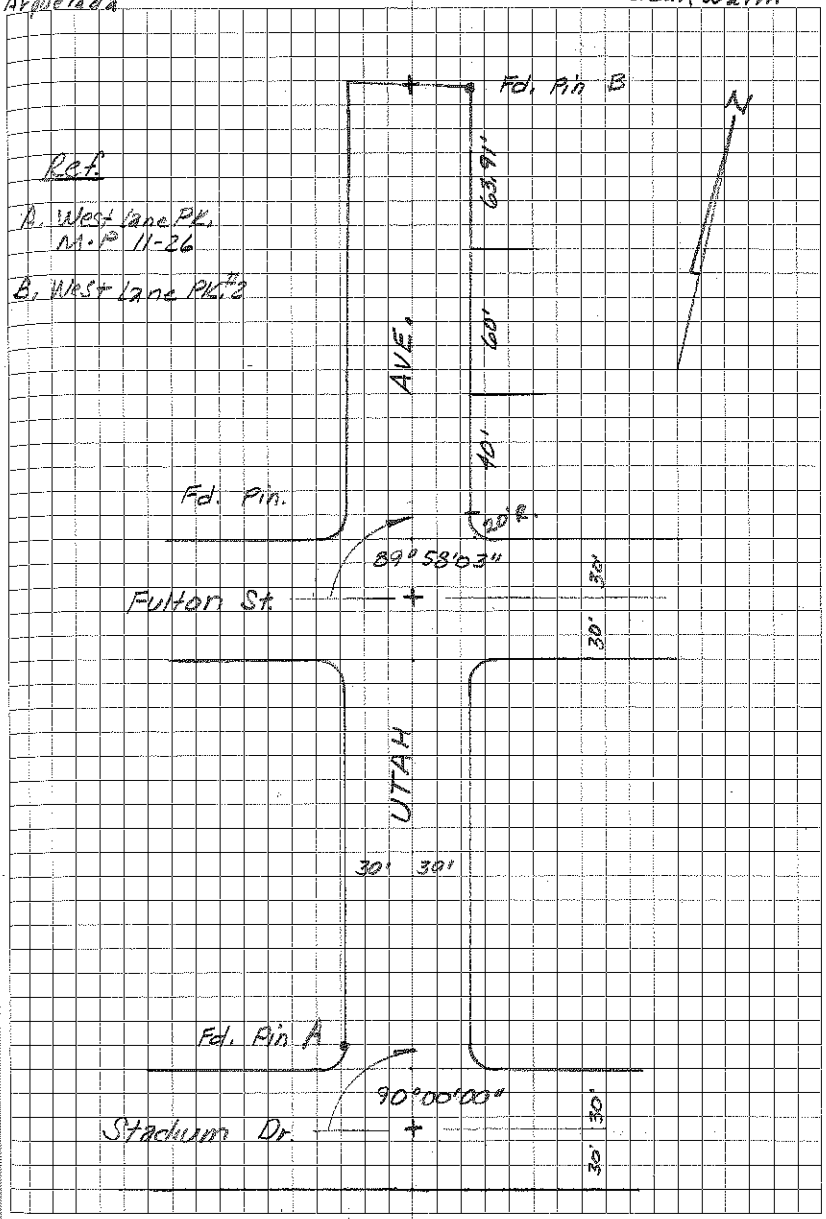
FIELD BOOK 686 8-13-93 (49)

Clear, warm



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Trevino
Arquelada

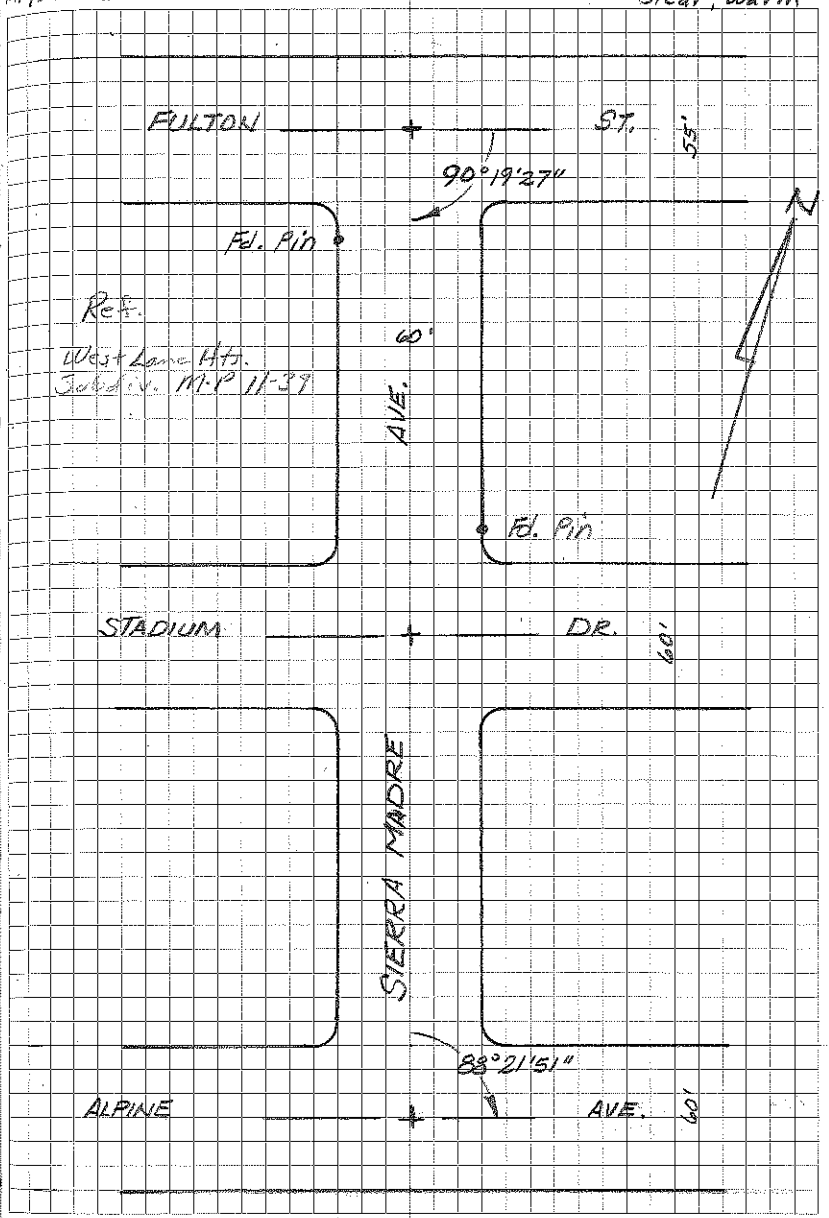
# FIELD BOOK 686 8-13-93 (50)

Clear, warm

## WEST LANE SUBDIVISION (CONT)

## SIERRA MADRE AVE.

| Sta. | Align. | Description |
|---|---|---|
| 11+16.04 | P.O.T. | Set PK & shiner @ ℄ Fulton St. |
| | 90°19'28" | |
| | 180°38'55" | Set by straddlers |
| | 270°58'22" | |
| 5+77.38 | P.O.T. | Set Straddlers ea. side ℄ Stadium Dr. |
| | | M.H. |
| 0+00 | 89°21'51" | |
| | 1.76°43'37" | Set PK & shiner @ ℄ Alpine Ave. |
| | 265°05'33" | |
| | | set by straddlers |



Lyden
Arguelada
Trevino

FIELD BOOK 686

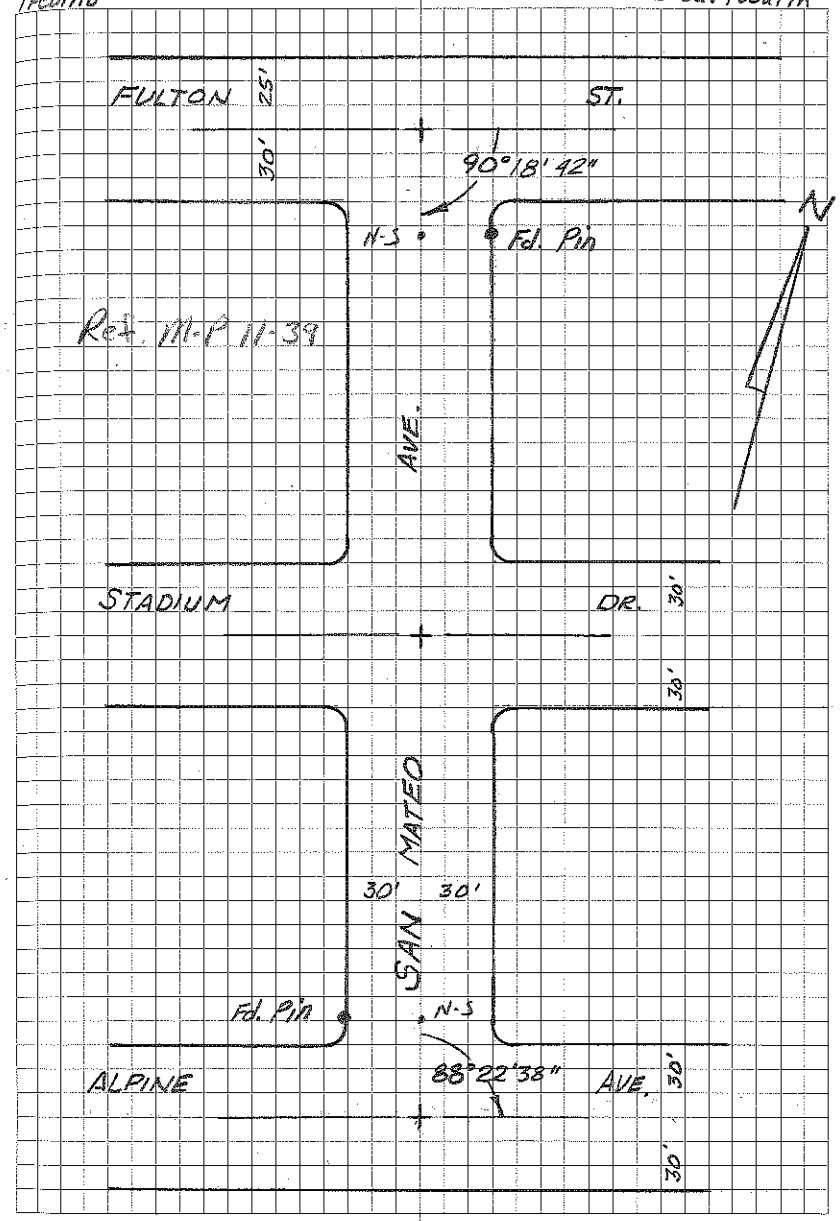
8-13-93 (51)

Clear, warm

WEST LANE SUBDIVISIONS (CONT.)

SAN MATEO AVE.

| Sta. | Align. | Description |
|---|---|---|
| 11+22.78 | 90°18'42"<br>180°37'30"<br>270°56'09" | Set PK & Shiner @ ℄ Fulton St.<br>set by straddlers |
| 5+85.52 | P.O.T. | Set PK & shiner @ ℄ Stadium Dr.<br>set by straddlers |
| 0+00 | 88°22'39"<br>176°45'16"<br>265°07'55" | Set PK & Shiner @ ℄ Alpine Ave.<br>set by straddlers |



WEST LANE SUBDIVISIONS (CONT.)

STADIUM DR.

| Sta. | Align. | Description |
|---|---|---|
| 9+20 48 | P.O.T | Set N&S @ ℄ West Lane by straddlers |
| 6+00 08 | P.O.T. | Set Straddlers ea. Side Sierra MAdre Ave. ℄ |
| 3+00 13 | P.O.T. | Set Straddlers ea. side M.H. San Mateo Ave. ℄ |
| 0+00 | 89°59'42" 179°58'20" 269°59'01" | Set PK & Shiner @ ℄ Coronado Ave Pulled ties Per FB 639 |

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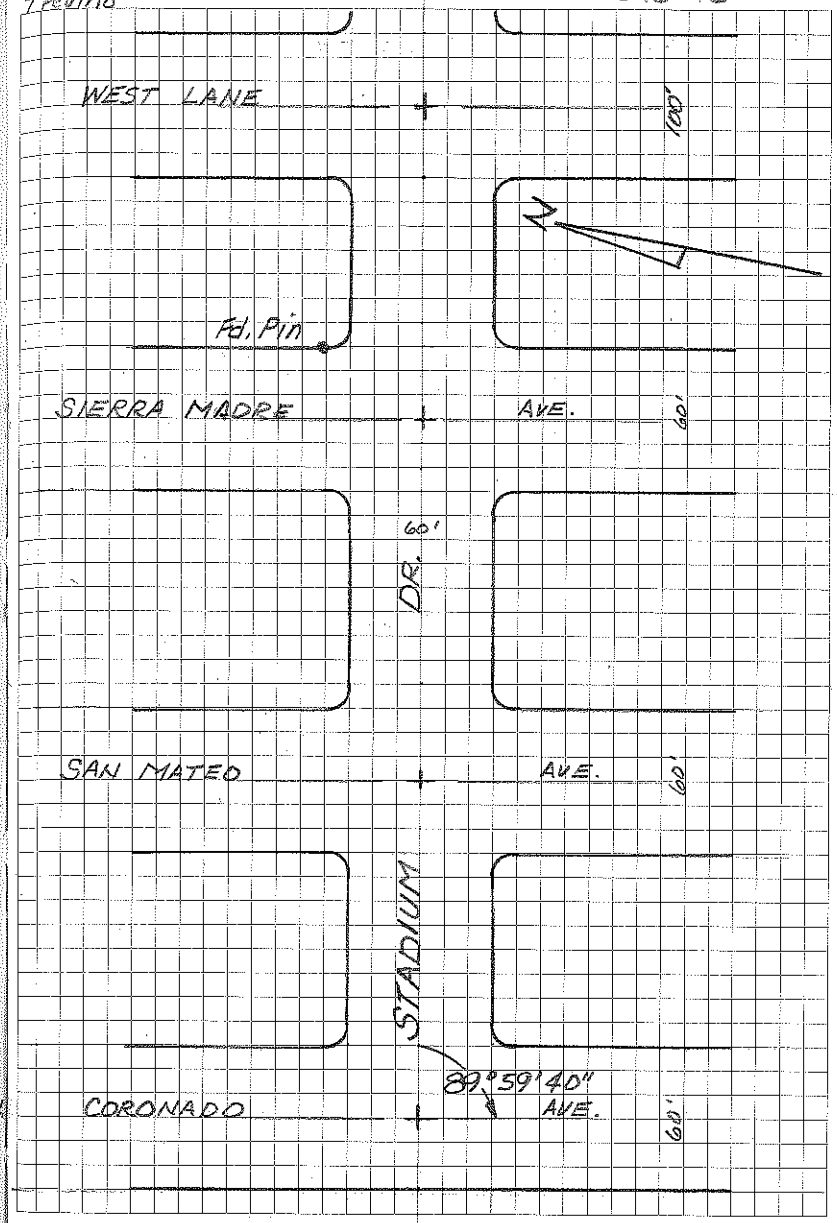
Arquelada
Trevino

FIELD BOOK 686

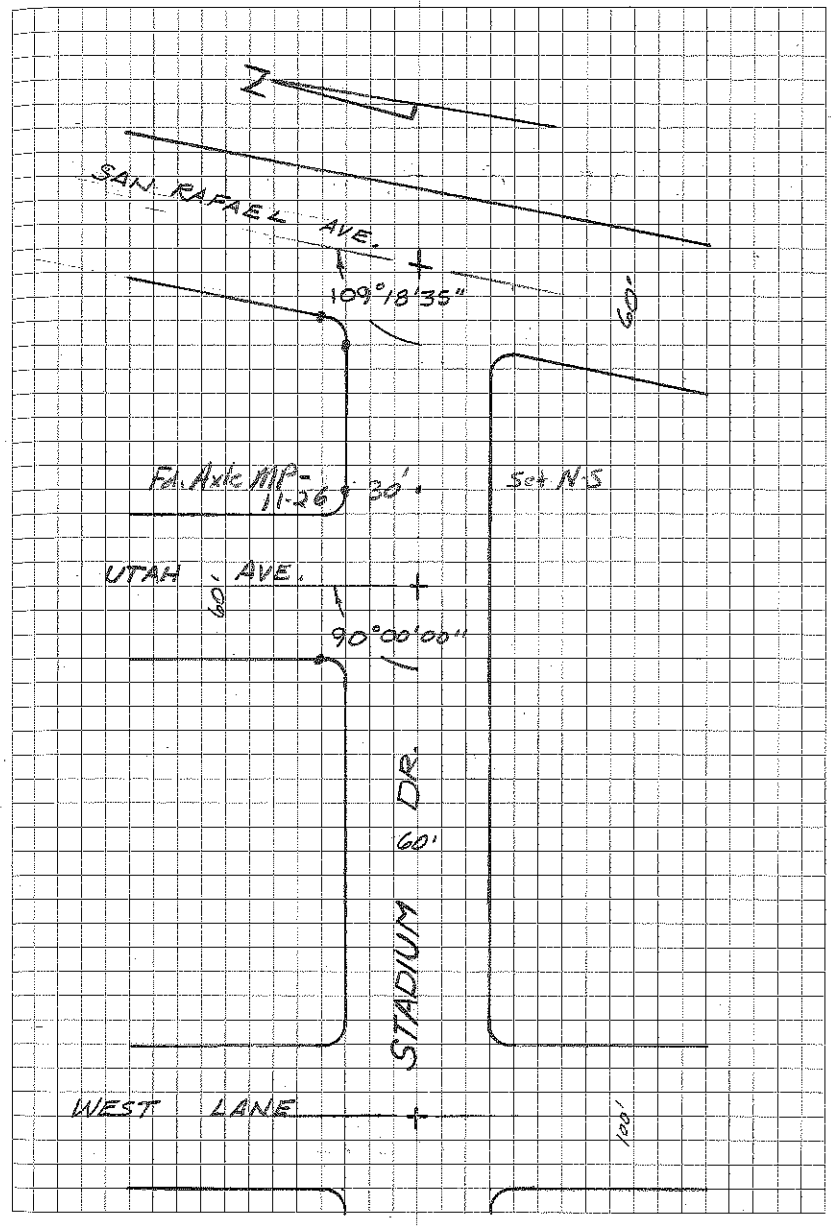
(52)

8-13-93



WEST LANE SUBDIVISIONS (CONT.)
STADIUM DR. (CONT.)

| Sta. | Align. | Description |
|---|---|---|
| 13+55 | 109°18'34" 218°37'07" 327°55'46" | Set PK & Shiner @ ℄ San Rafael Ave. by straddles |
| 12+30 | 90°00'03" 179°59'57" 270°00'00" | Set PK & Shiner @ ℄ Utah Ave. P.O.T. by straddles |
| 9+20 | P.O.T. | Set PK & Shiner @ ℄ West Ln. |

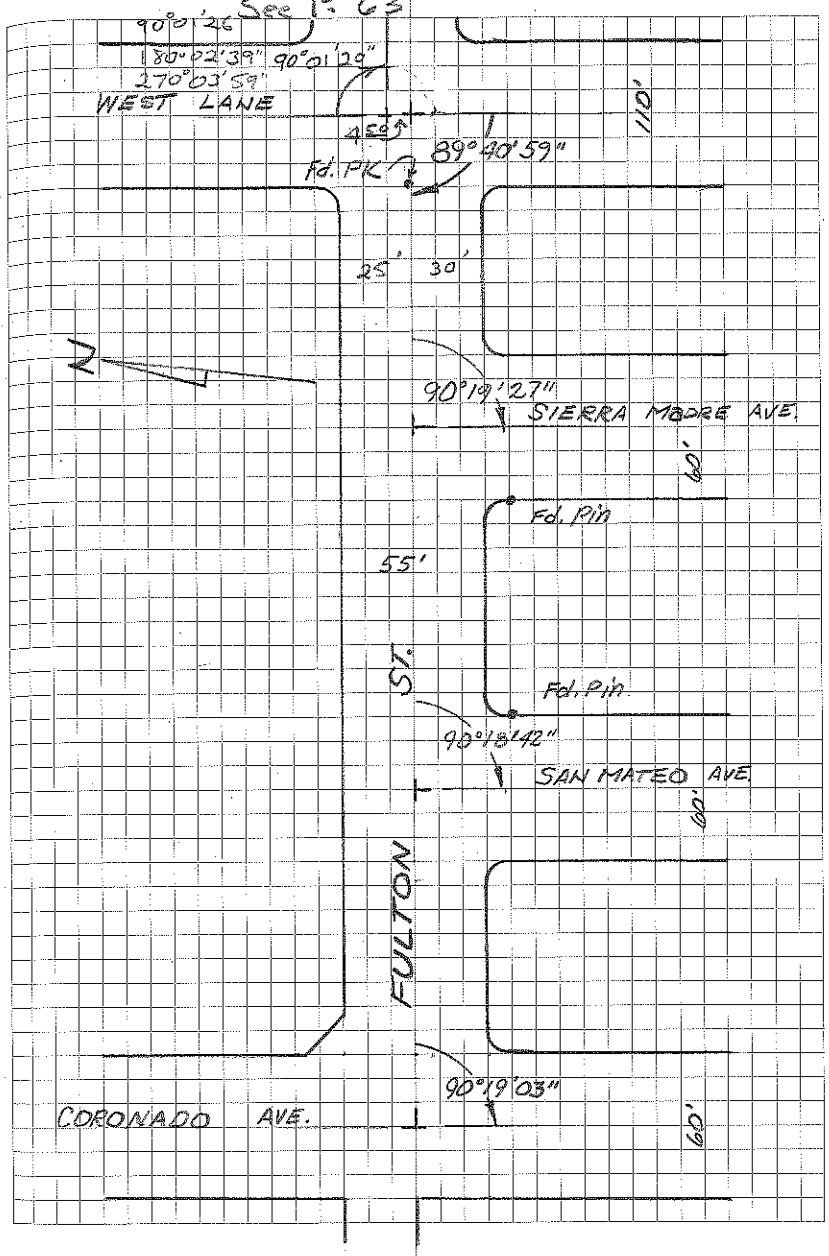


# FIELD BOOK 686



## WEST LANE SUBDIVISIONS (CONT.)
## FULTON ST.

| Sta. | Align. | Description |
|---|---|---|
| 9+20 66 | 89°41'01"<br>179°22'03"<br>269°02'57" | Set 2 PK & shiner @ West Ln. |
| 8+65 10 | P.O.T. | Fd. PK per P. 13-162 |
| 6+00 30 | 90°19'28"<br>180°38'55"<br>270°58'22"<br>P.O.T. | Set PK & shiner @ & Sierra Madre Ave. |
| 3+00 17 | 90°18'42"<br>180°37'30"<br>270°56'09"<br>P.O.T. | Set PK & shiner @ & San Mateo Ave. |
| 0+00 | 90°19'09"<br>180°38'10"<br>270°57'09" | Set PK & shiner @ & Coronado Ave.<br>Per P. 13-162 |



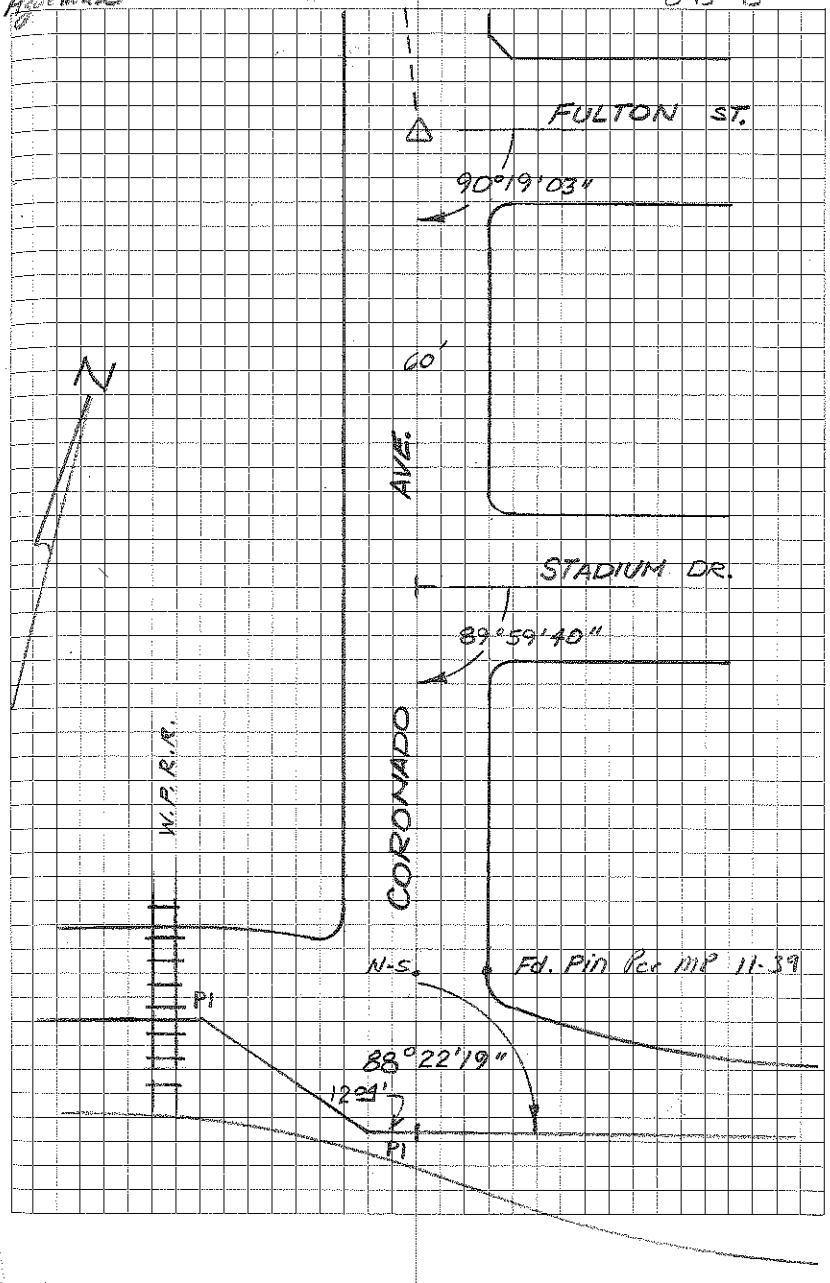
# WEST LANE SUBDIVISIONS (CONT.)
## CORONADO AVE.

| Sta. | Align. Δ | Description |
|---|---|---|
| 11+29 82 | 90°19'09"<br>180°38'10"<br>270°57'09" | Set PK & shiner @ ℄ Fulton St.<br>Per P. 13-162 |
| | | Deflection Meas. 0°18'45" Lt.<br>Rec. (0°19'30") |
| 5+94 49 | 89°59'42"<br>179°59'20"<br>269°59'01' | Set PK & Shiner @ ℄ Stadium Dr.<br>Pulled ties per FB 639 |
| 0+00 | 88°22'20"<br>176°44'37"<br>265°06'56" | Set PK & Shiner on Alpine<br>Tangent |

Lyden
Trevino
Aguelada

FIELD BOOK 686 (55)

8-13-93

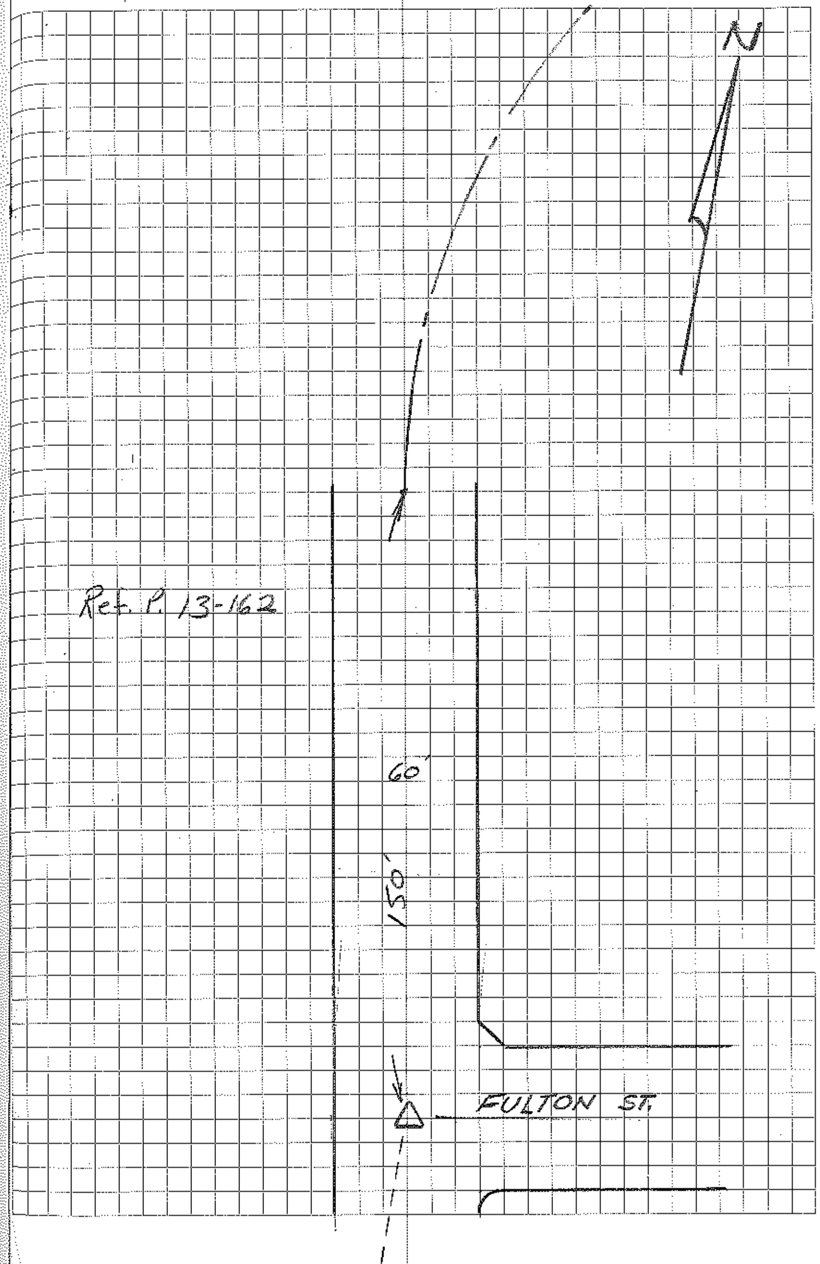


WEST LANE SUBDIVISIONS (CONT.)
CORONADO AVE. (CONT.)

| Sta. | Align | Description | | |
|---|---|---|---|---|
| | B.C. | Fd. PK | | |
| 11+29.82 | | | | |

Stationing not set North of Fulton

FIELD BOOK 686 

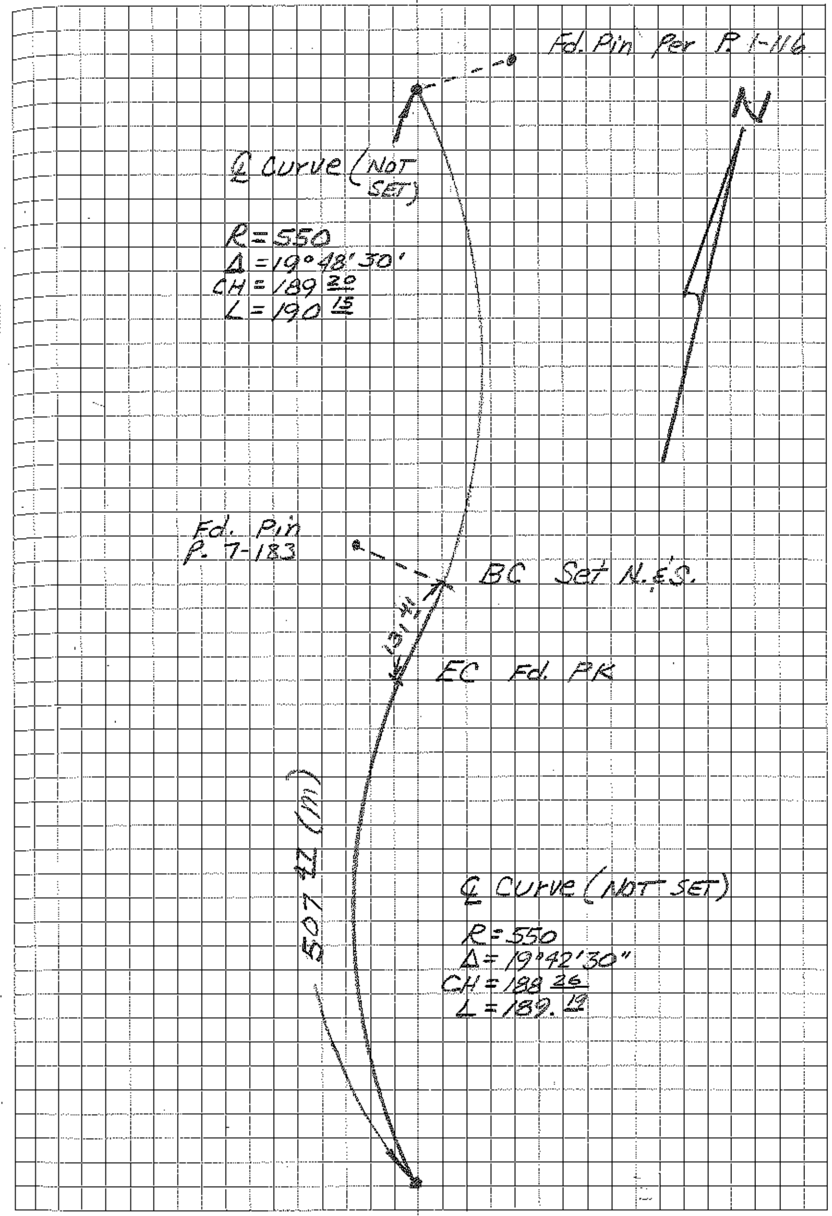


WEST LANE SUBDIVISIONS (CONT.)
CORONADO AVE. (CONT.)

| Align. | Description |
|---|---|
| EC | Set Nail & shiner |
| BC | |

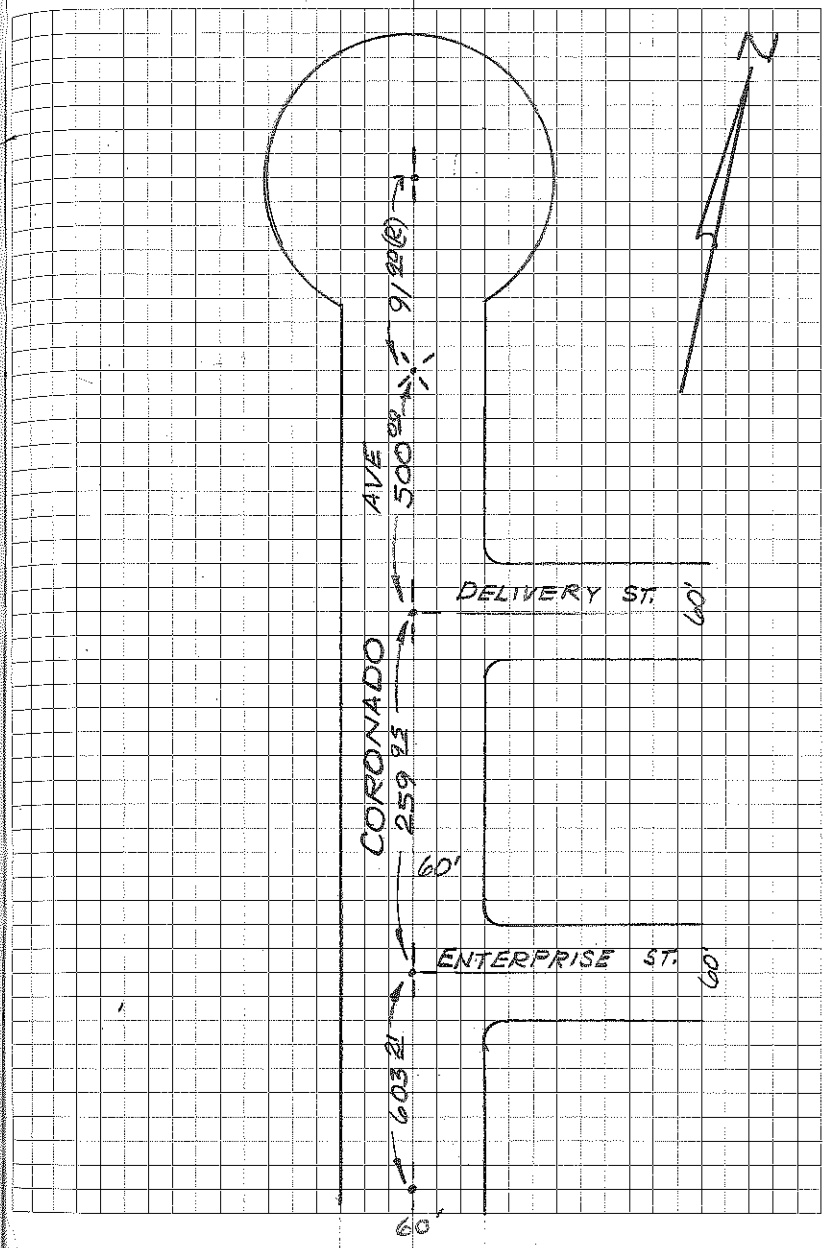
Stationing Not Set





WEST LANE SUBDIVISIONS (CON.T.)
CORONADO AVE. (CONT.)

| Stationing | Align. Description |
|---|---|
| | Fd. pin in M.B. per P11-128 |
| Not Set | POT Set PK & Shiner |
| | POT Set PK & Shiner @ ℄ Delivery St. set by Straddlers |
| | POT Set PK & Shiner @ ℄ Enterprise St. set by Straddlers |
| | EC |



# WEST LANE SUBDIVISION (CONT.)

## ENTERPRISE ST.

| Sta. | Align | Description |
| --- | --- | --- |
| $8+20^{09}$ | | Set PK & Shiner @ ℄ West Lane by Straddlers |
| $4+56^{52}$ | P.O.T. | Set PK & Shiner @ ℄ Postal Ave. Map Rec. dist. |
| 0+00 | | Set PK & Shiner @ ℄ Coronado Ave. by Straddlers |

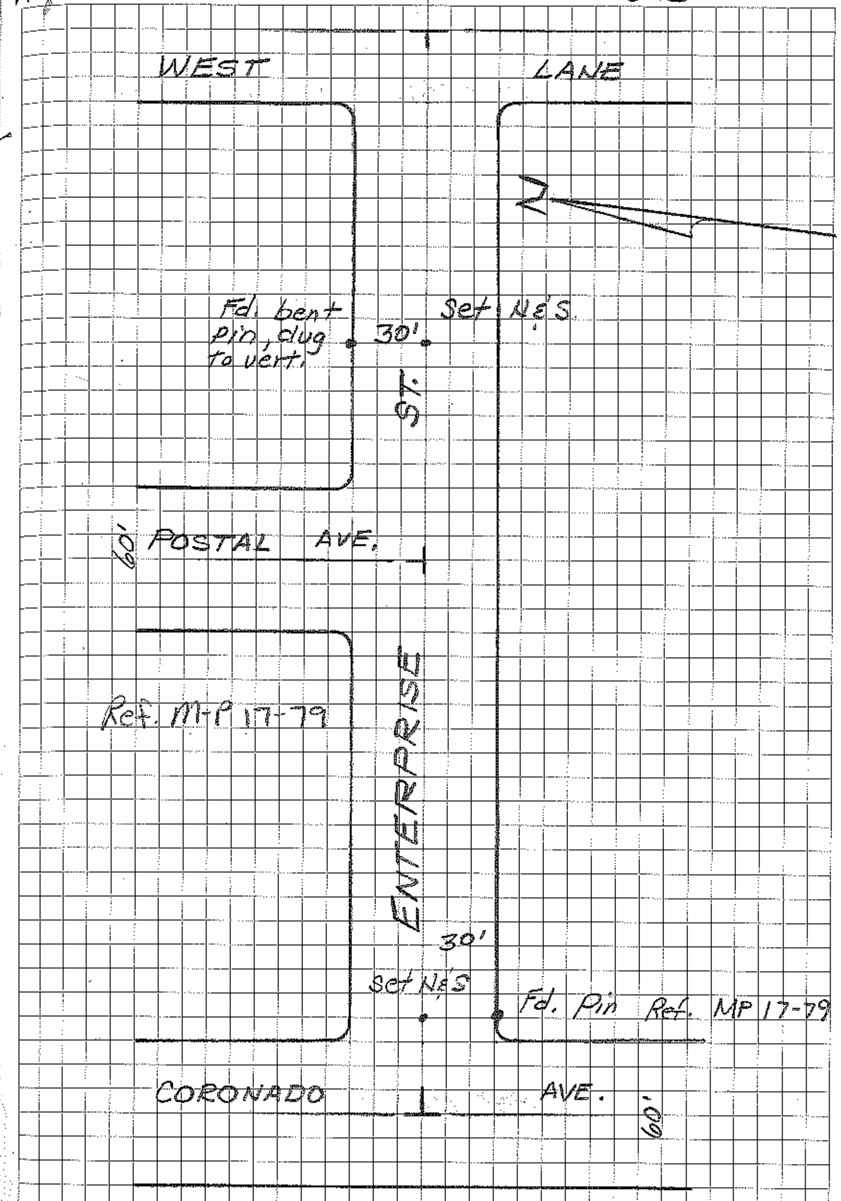
Stationing Not Set

Lydon
Trevino
Arguelada

FIELDBOOK 686

(59)

8-13-93



WEST LANE SUBDIVISIONS (CONT.)
DELIVERY ST.

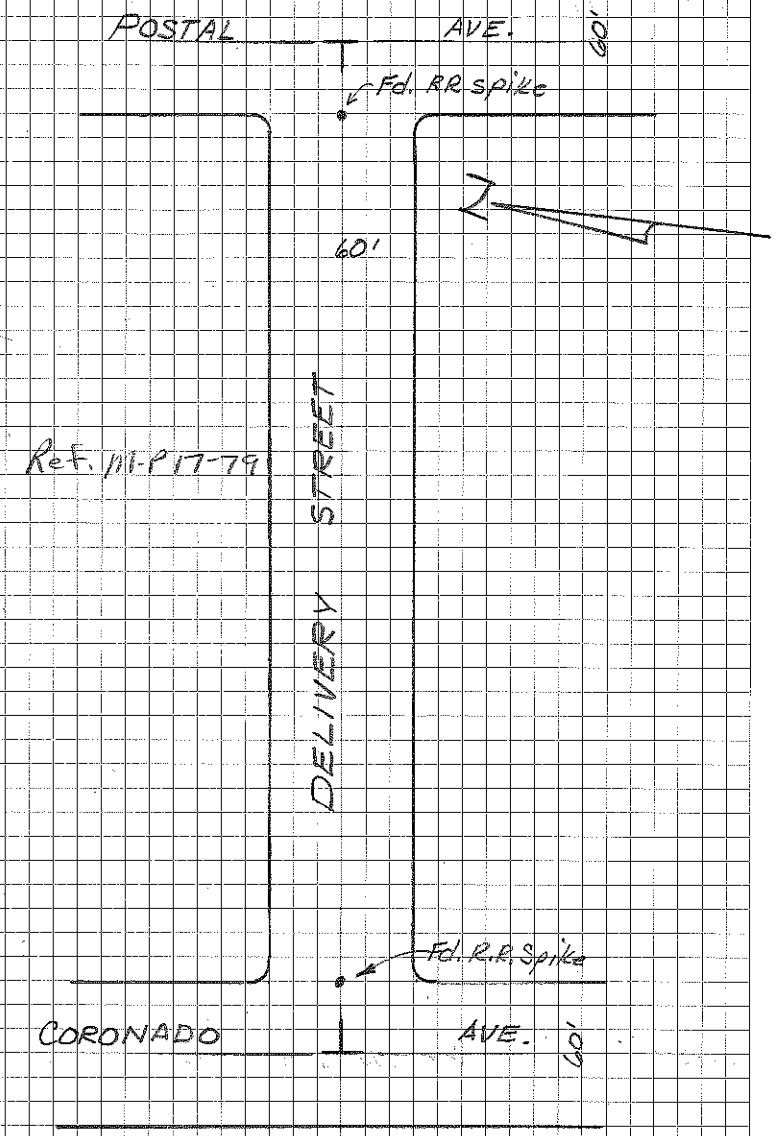
| Sta. | Align. | Description |
|---|---|---|
| 4+58.20 | | Set PK & Shiner @ ℄ Postal Ave. |
| | | Pulled Record Dist. |
| 0+00 | | Set PK & Shiner @ ℄ Coronado Ave. by straddlers |

Stationing Not Set

Lydon
Trevino
Arquelada

FIELD BOOK 686 (60)

8-13-93



WEST LANE SUBDIVISIONS (CONT.)
POSTAL AVE.

Lydia Trevino Arguelles

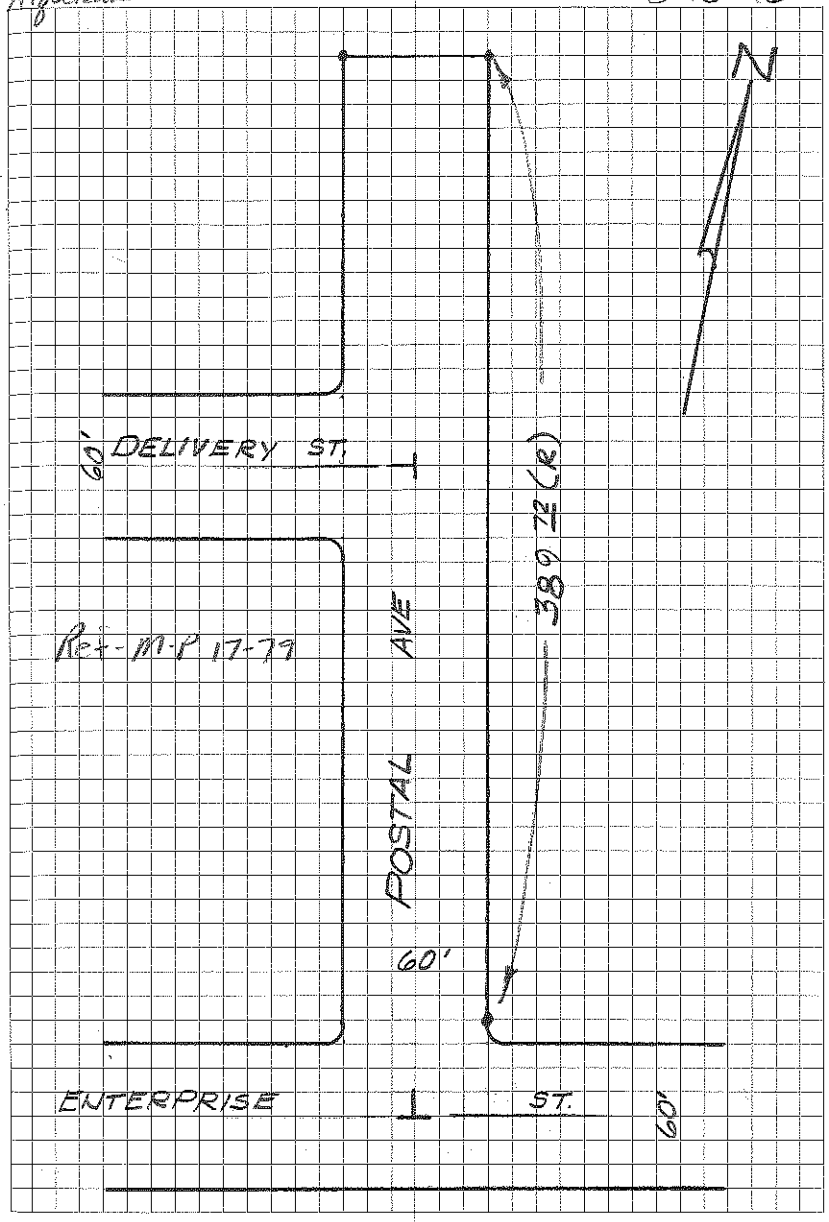
FIELDBOOK 686

(61)

8-13-93

| Sta. | Align. | Description |
|---|---|---|
| 2+59.26 | | Set PK & Shiner @ ℄ Delivery St. Rec. dist. from ℄ Coronado St. |
| 0+00 | | Set PK & Shiner @ ℄ Enterprise St. Rec. dist. from ℄ Coronado St. |

Stationing Not Set



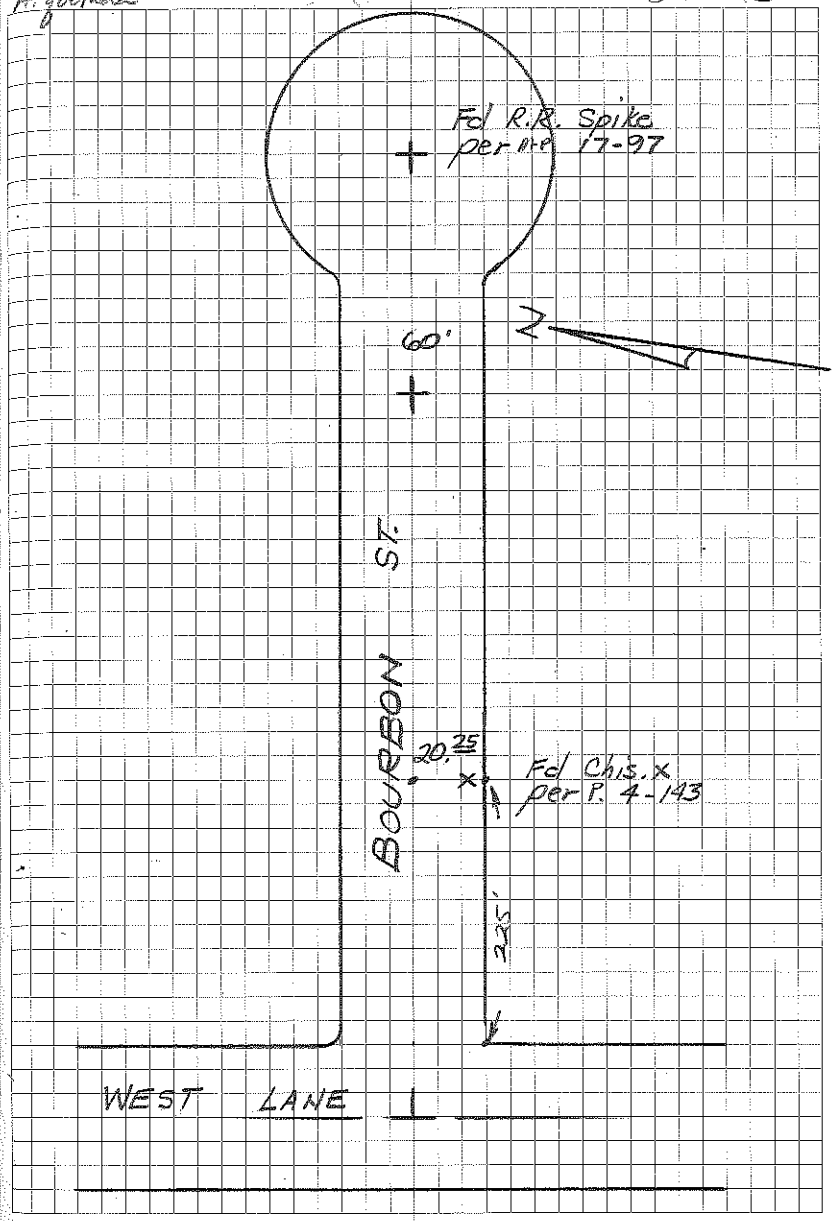
WEST LANE SUBDIVISION (CONT.)
BOURBAN ST.

| Sta. | Align. | Description |
|---|---|---|
| 15+24.34 | | Fd. R.R. spike |
| 5+00 | P.O.T. | Set PK & Shiner |
| | P.O.T. | Set PK & Shiner |
| 0+00 | | Set PK & Shiner @ ℄ West Ln. Fd. by straddlers |

Lyder
Trevino
Arguelada

FIELD BOOK 686 8-13-93





West Lane Subdivision (Cont.)
Fulton Street (Cont.)

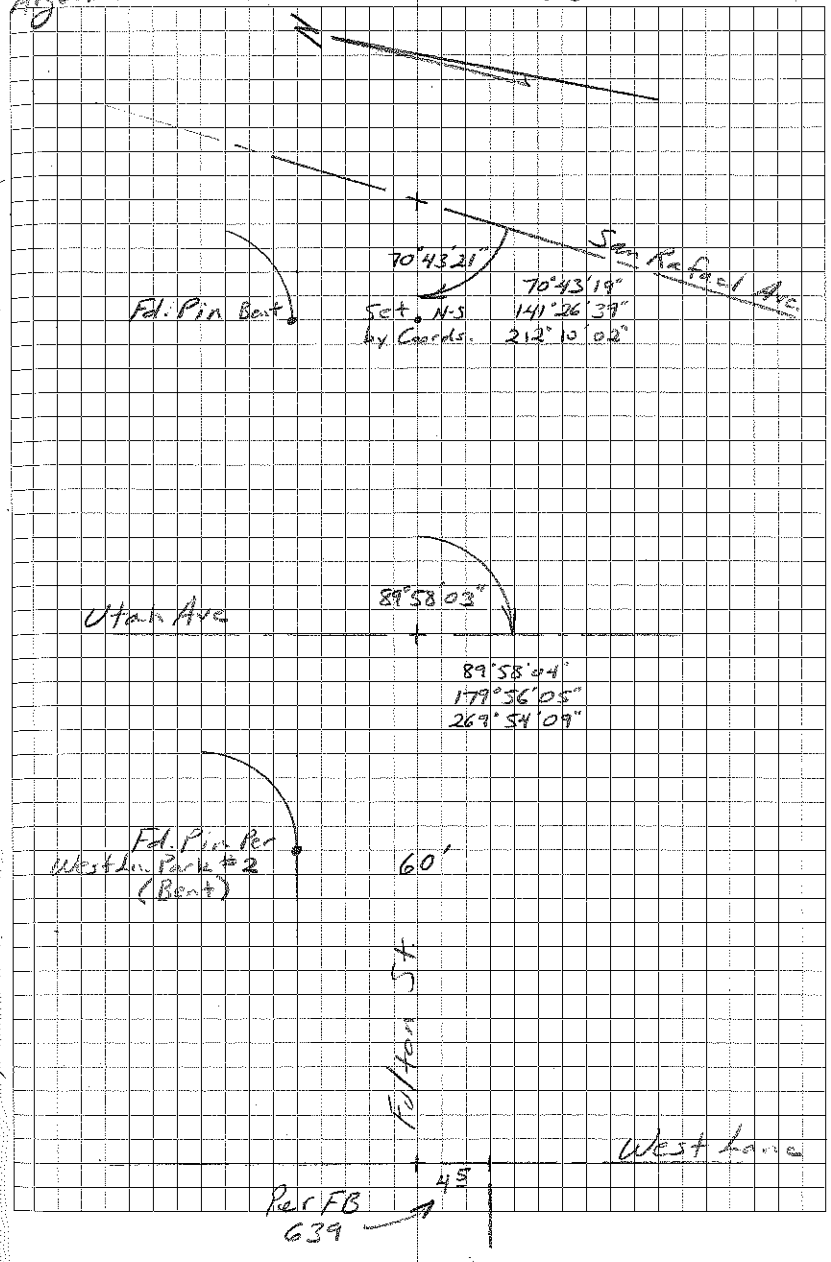
| Sta: | Align. | Description |
|---|---|---|
| $15+46^{95}$ | | Set N-S by straddlers @ ℄ San Rafael |
| $12+30^{62}$ | P.O.T. | Set N-S by straddlers @ ℄ Utah |
| $9+20^{66}$ | | |

Lyden Trevino Arguelles

FIELD BOOK 686

8-13-93

(63)



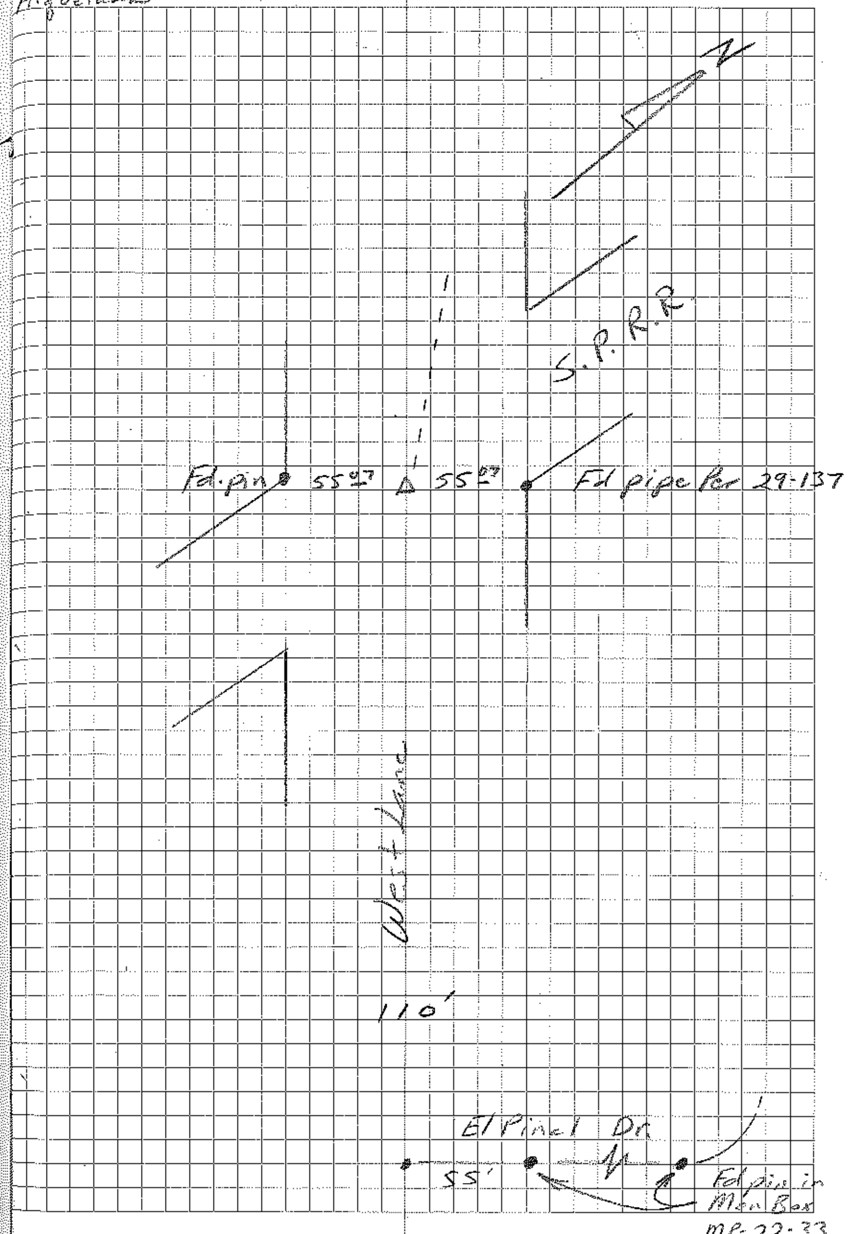
West Lane
El Pinal to Diverting Canal

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 21+65.61 | Δ | 0°54'37" Rt. | Set Spike & Shiner |
| | | | Calc. from Coords |
| 10+00 | | | Set Nail & Shiner |

Stationing not set

Lyden
Trevino
Arguelada

FIELD BOOK 686 8-13-93 (64)

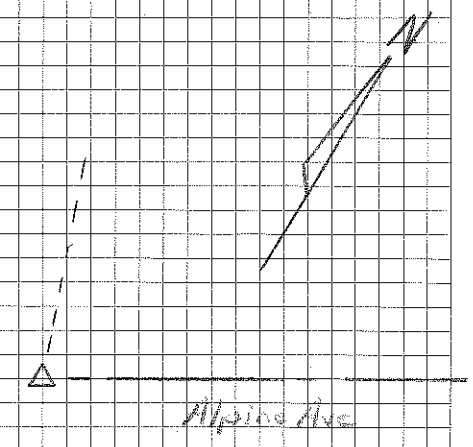


West Lane (Cont.)

| Sta. | Align | Defl. | Description |
|---|---|---|---|
| 33+23.51 | Δ | 2°04'36" Rt. | Fd. pin @ ℄ Alpine East FB 646 |
| 21+65.61 | Δ | | |

Stationing not Set

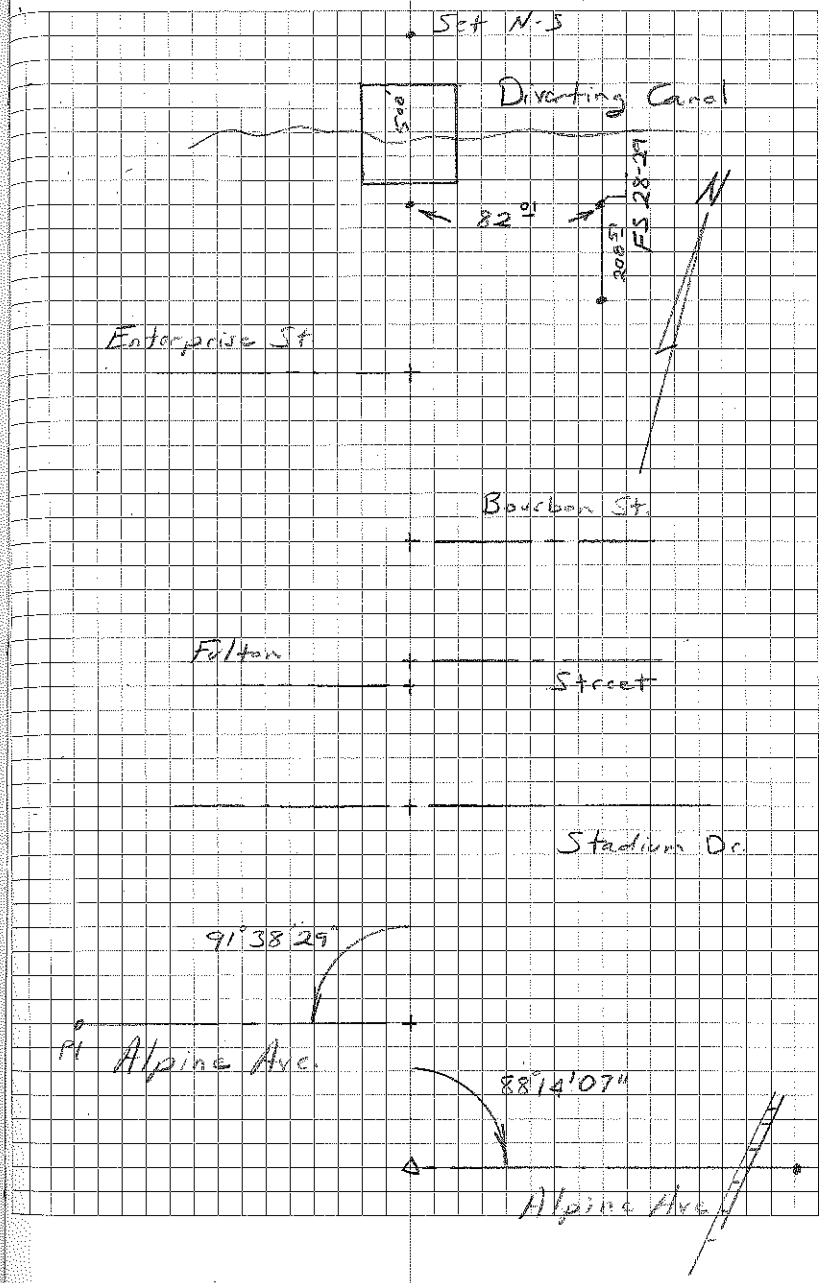




West Lane (Cont)

| Sta. | Align. | Description |
|---|---|---|
| $64+50^{53}$ | P.O.T. | Set PK & Shiner on ℄ (Set 5' offset Lt. & Rt) |
| $56+98^{62}$ | P.O.T. | Set PK-shiner by straddlers @ ℄ Enterprise |
| $48+47^{85}$ | P.O.T. | Set N-S by straddlers @ ℄ Bourbon St. |
| $44+54^{02}$ | P.O.T. | Set N-S 4⅝" Fulton W. FB 639 |
| $44+49^{52}$ | P.O.T. | Set N-S by straddlers @ ℄ Fulton W. |
| $39+08^{21}$ | P.O.T. | Set N-S by straddlers @ ℄ Stadium |
| $33+40^{64}$ | P.O.T. | Set N-S by straddler @ ℄ Alpine W. |
| $33+23^{51}$ | Δ | |

Stationing at ℄



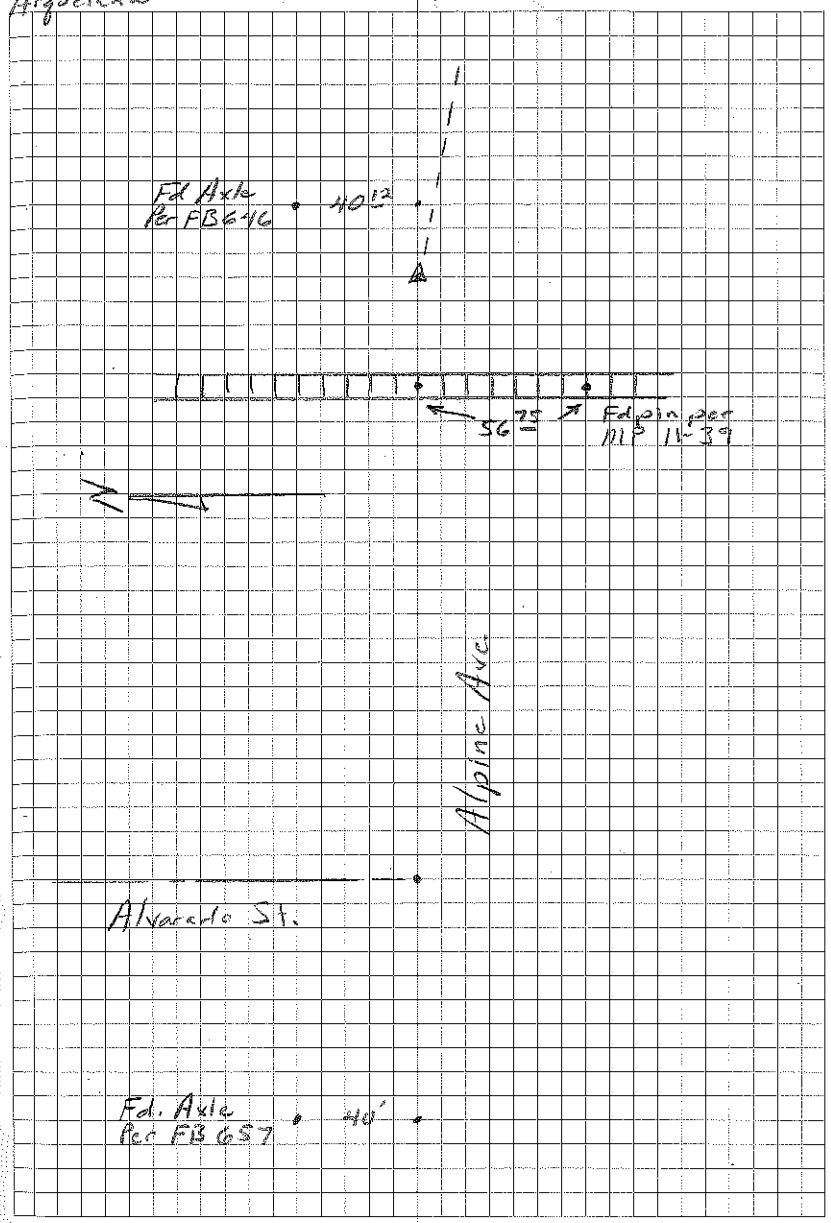
Lyder
Trevino
Arguelles

FIELD BOOK 686 8-13-93 (67)

Alpine Ave (Alvarado to San Rafael)

| Sta. | Align. | Defl. | Description |
|---|---|---|---|
| 105+49.53 | Δ BC | 0°03' Rt. | Set N-S per FB 657 |
| 99+84.92 | P.O.T. | | Set N-S per stationing FB 657 @ App. of Alvarado |
| 94+99.20 | | | Set N-S per ties FB 657 |

Stations not set



# Alpine Ave. (Cont)

107+43.17 EC Set N&S

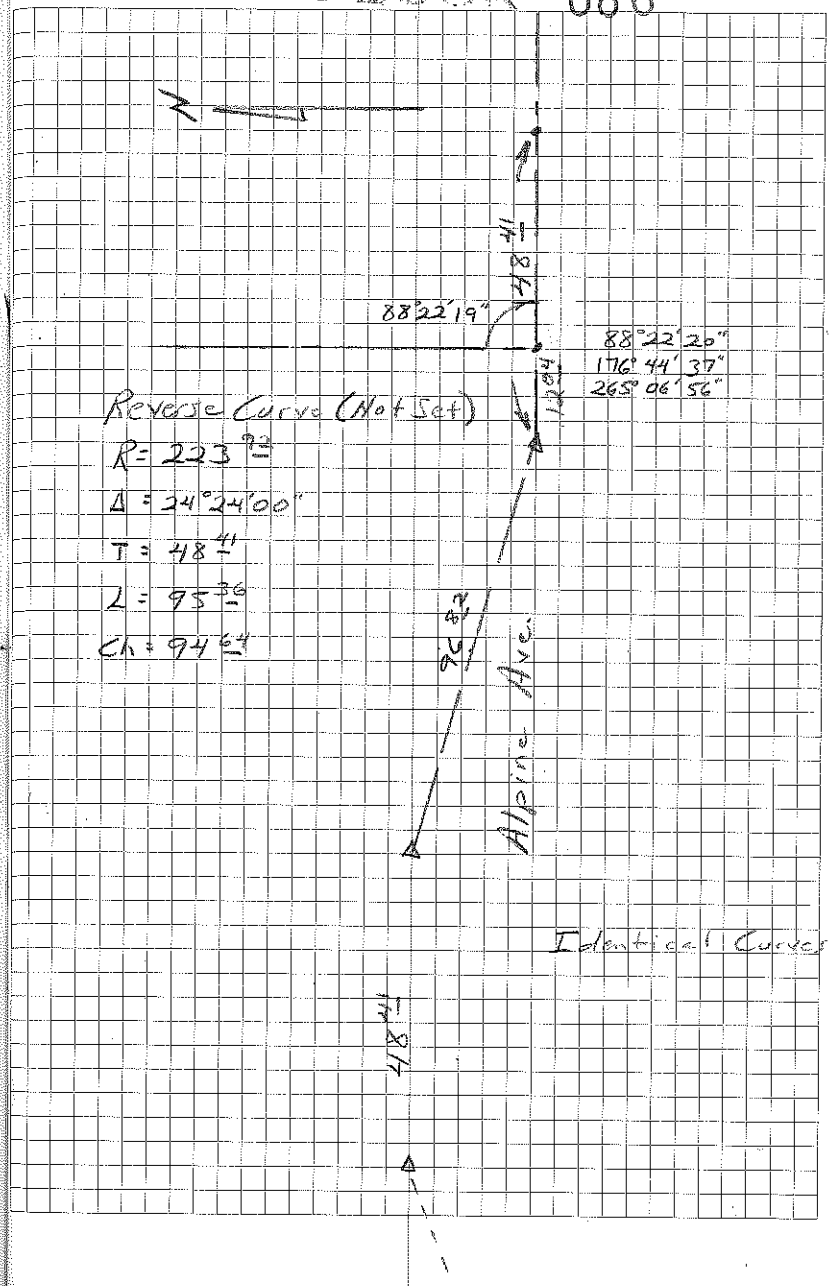
107+06.82 P.O.T. Set N&S on Tangent Line @ & Coronado by Straddlers

106+94.76 P.I. Set N&S

105+97.94 P.I. Set N&S

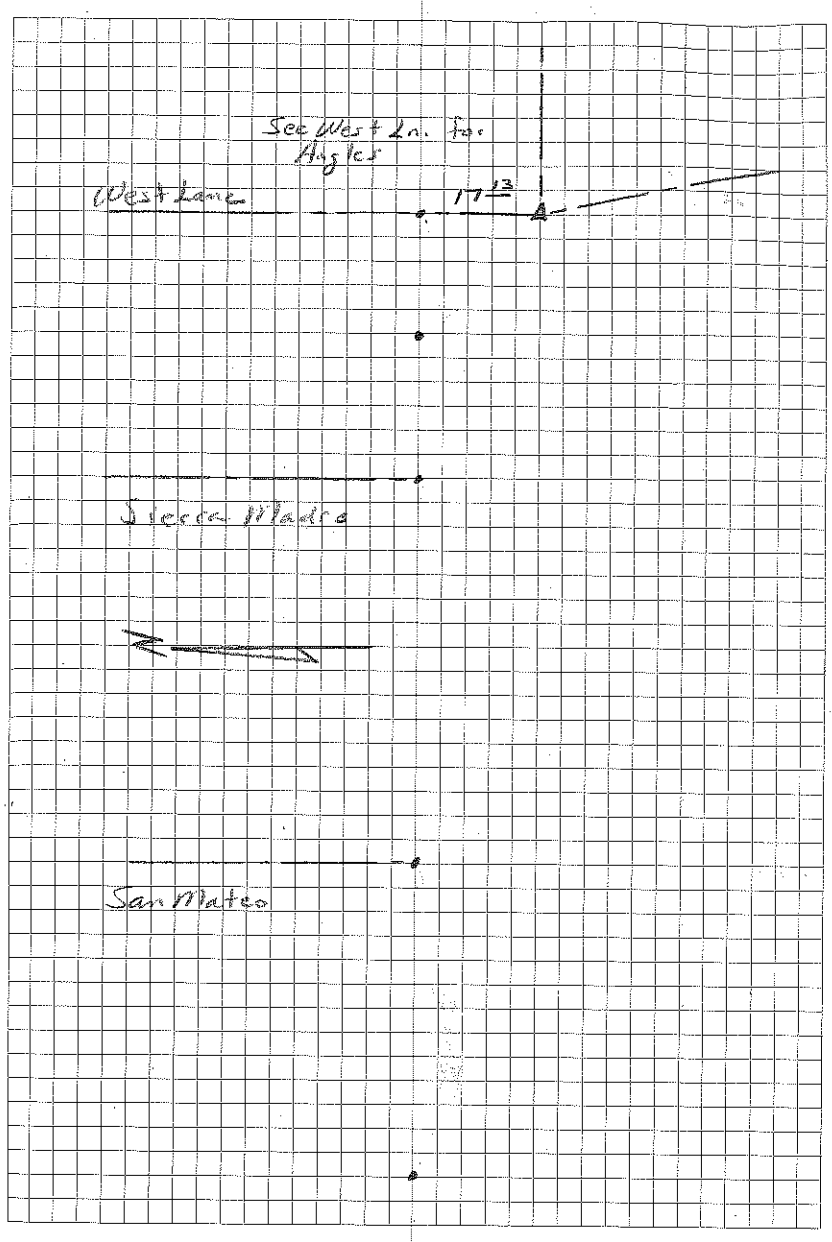
105+49.53 Δ BC

# FIELDBOOK 686



Alpine (Cont.)

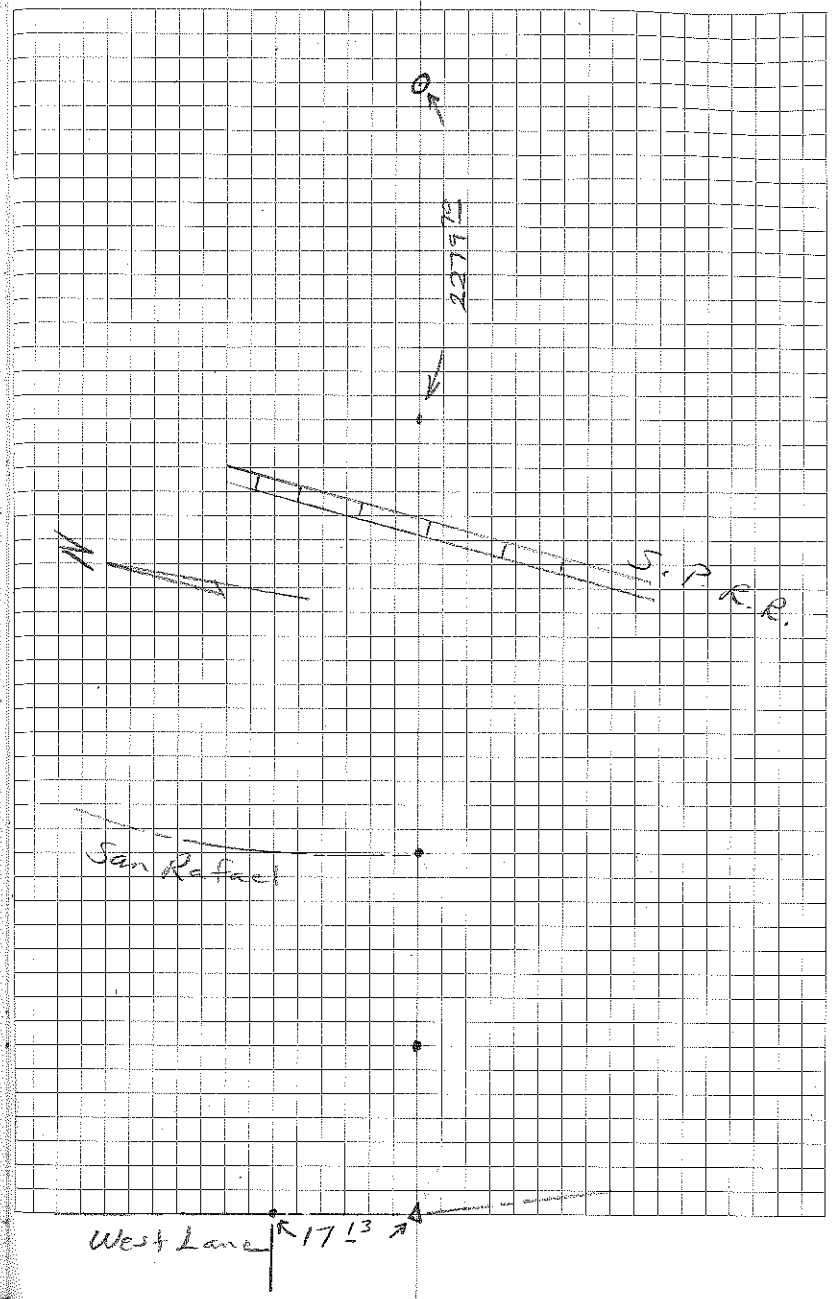
| Align | Description |
|---|---|
| 116+27.79 | Set N-S by Straddlers on ℄ West Lane |
| 114+63.89 | P.O.T. |
| 113+07.29 | P.O.T. Set N-S by straddlers on ℄ Sierra Madre |
| 110+07.22 | P.O.T. Set N-S by Straddlers on ℄ San Mateo |
| 107+43.13 | E.C. |



Alpine Ave. (Cont.)

| Align. | Description |
|---|---|
| | Fd pin in Mon Box |
| 121+28.00 P.O.T. | Set N&S |
| 119+15.44 P.O.T. | Set N&S @ ℄ San Rafael Per West Lane Park Sub. |
| 117+63.76 P.O.T. | Set. N&S |
| 116+27.74 | Fd. pin @ ℄ West Lane and Alpine E. |





## Downing Ave. Ties

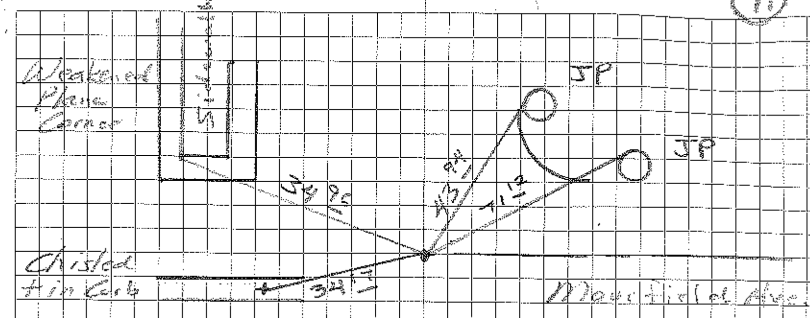
| Sta. | | Description |
|---|---|---|
| $14+29^{68}$ | | Fd. Bolt per FB 643 |
| $9+40^{49}$ | Δ | Fd. Pin per FB 643 |
| $2+43^{15}$ | | S.F.N. |

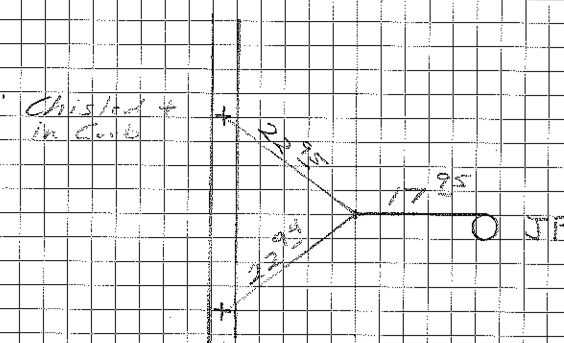
Stationing per F.B. 643

Lyden
Trevino

FIELD BOOK 686 9.14.92

(71)



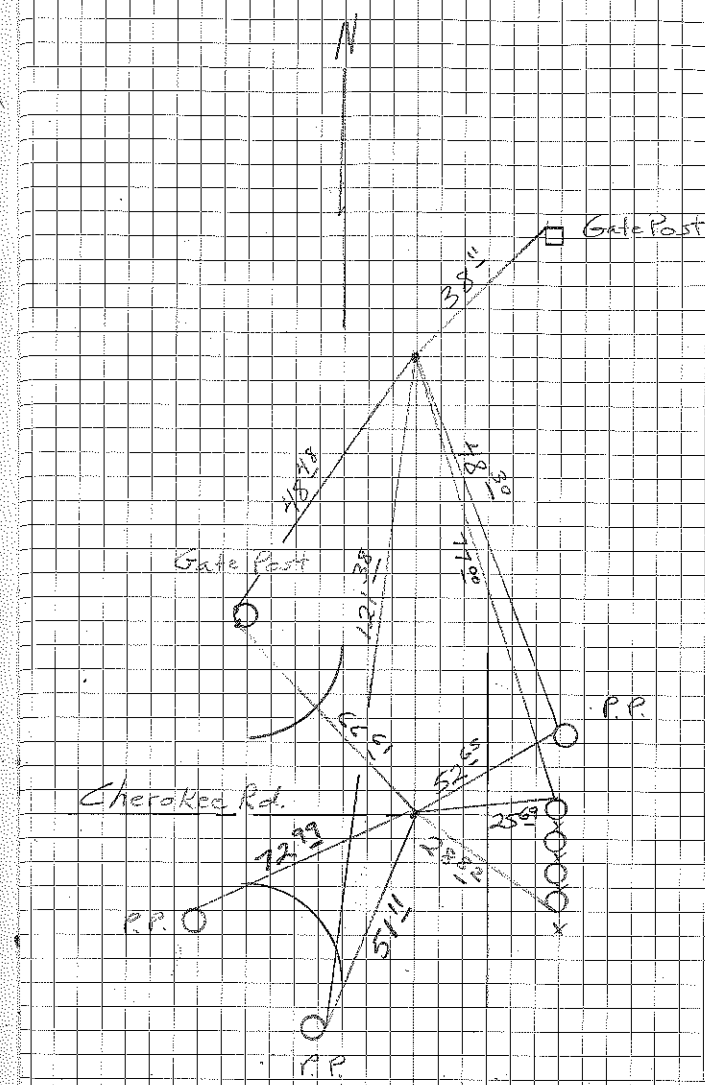
Alpine Road
Ties

| Sta. | | Description |
|---|---|---|
| | | Stationing Per F.B. 581 |
| | | Altered to eliminate equation Pts. |
| 37+68.07 | B.C. | Fd. bolt w/welded washer |
| | | Reset P.K./Shiner on surf. |
| 36+95.17 | | Fd. bolt w/welded washer |
| | | Reset P.K./Shiner on surf. |

Lyden
Trevino

FIELD BOOK 686 (72)

10-1-93



Alpine Rd. Ties
(Cont.)

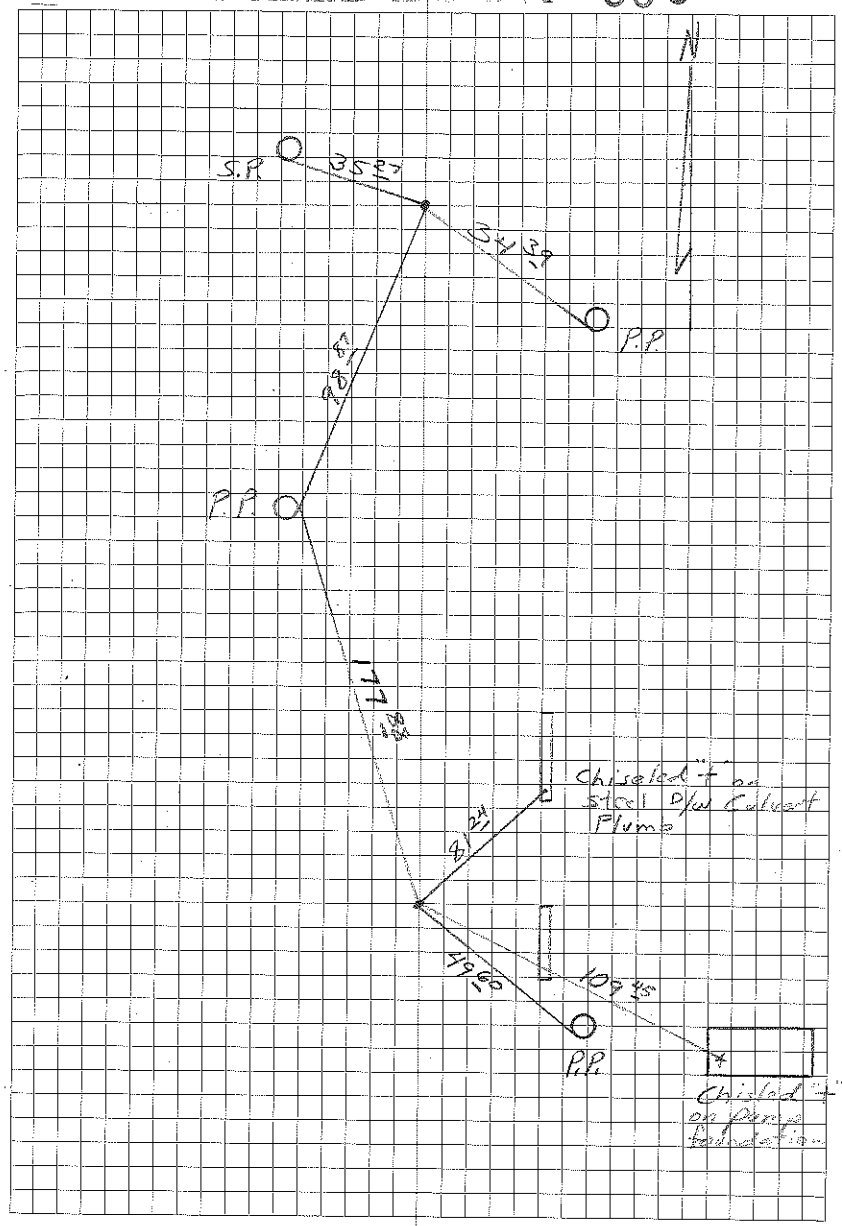
55+44.99 B.C. Fd. bolt w/welded washer

Reset P.K./Shiner on surf.

52+77.59 E.C. Fd. bolt w/welded washer

Reset P.K./Shiner on surf.





Alpine Rd Ties (Cont.)

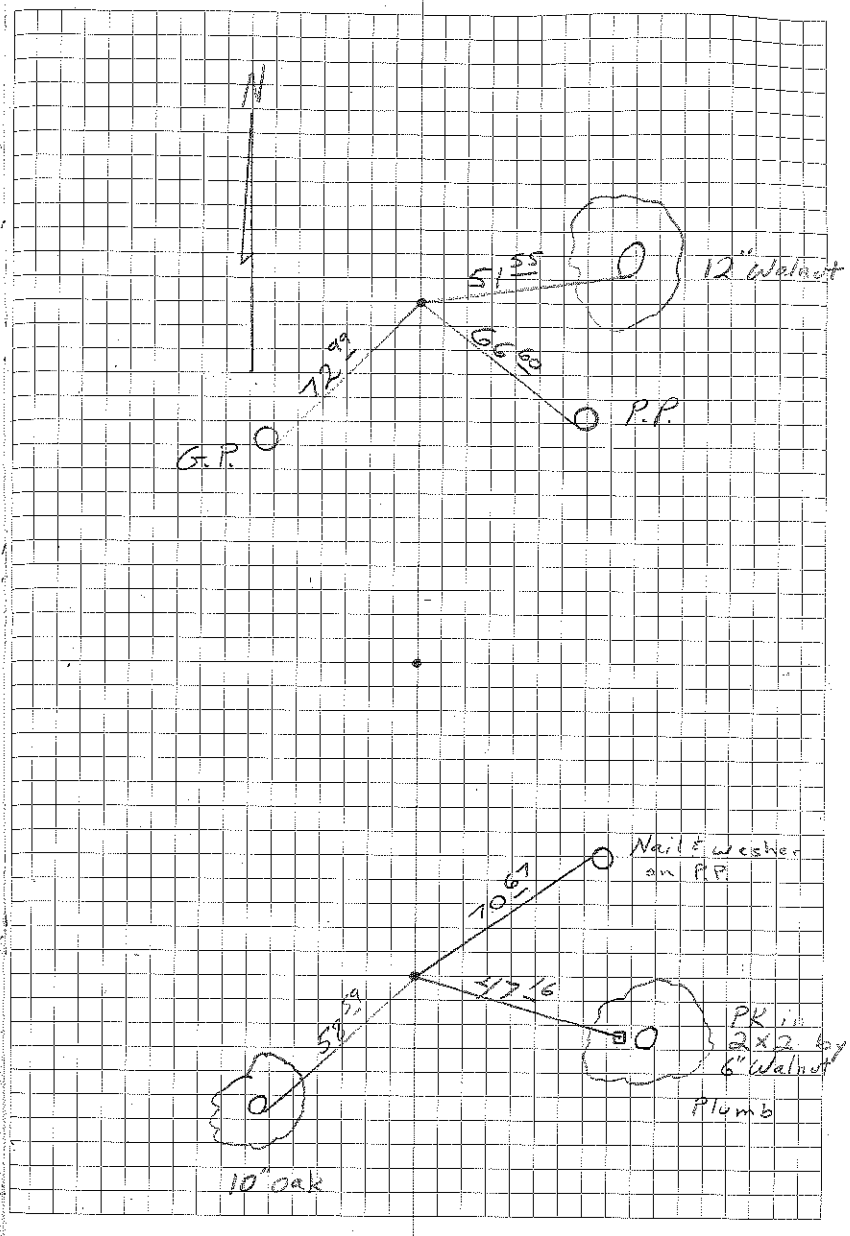
85+13.85 E.C. Fd. bolt w/welded washer

Reset P.K./Shiner on surf.

77+28.14 B.C. Fd. Bent

70+39.10 E.C. Fd. bolt w/welded washer

Reset P.K./Shiner on Surf.



Alpine Rd. Ties (Cont.)

109+64.85 P.O.T. Fd. bolt w/welded washer

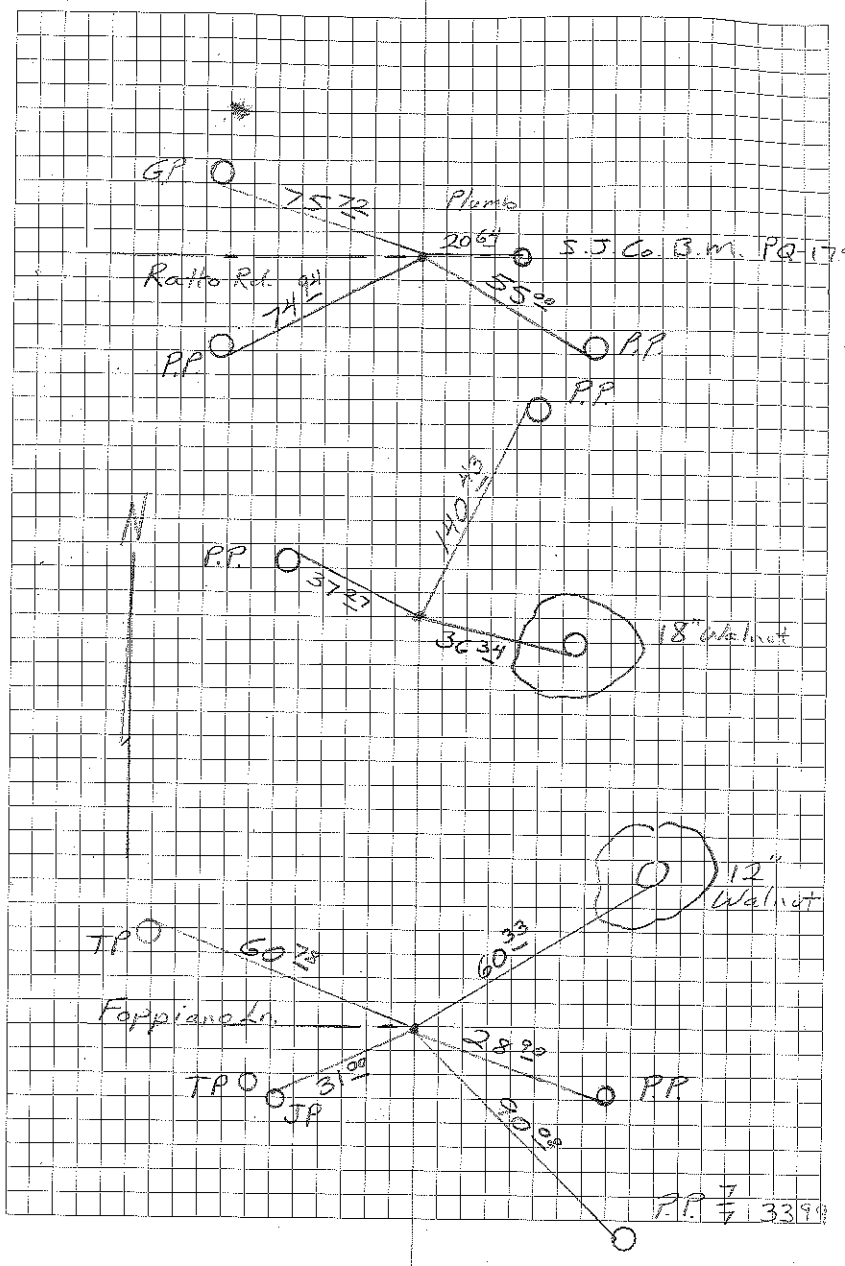
Reset P.K. / shiner on surf.

97+75.45 Δ Fd. bolt w/welded washer

Reset P.K. / shiner on surf.

88+97.93 P.O.T. Fd. bolt w/welded washer

Reset P.K. / shiner on surf.



Alpine Rd. Ties (Cont.)

155+48.64 Δ Fd. Monument.
(Magnometer located)

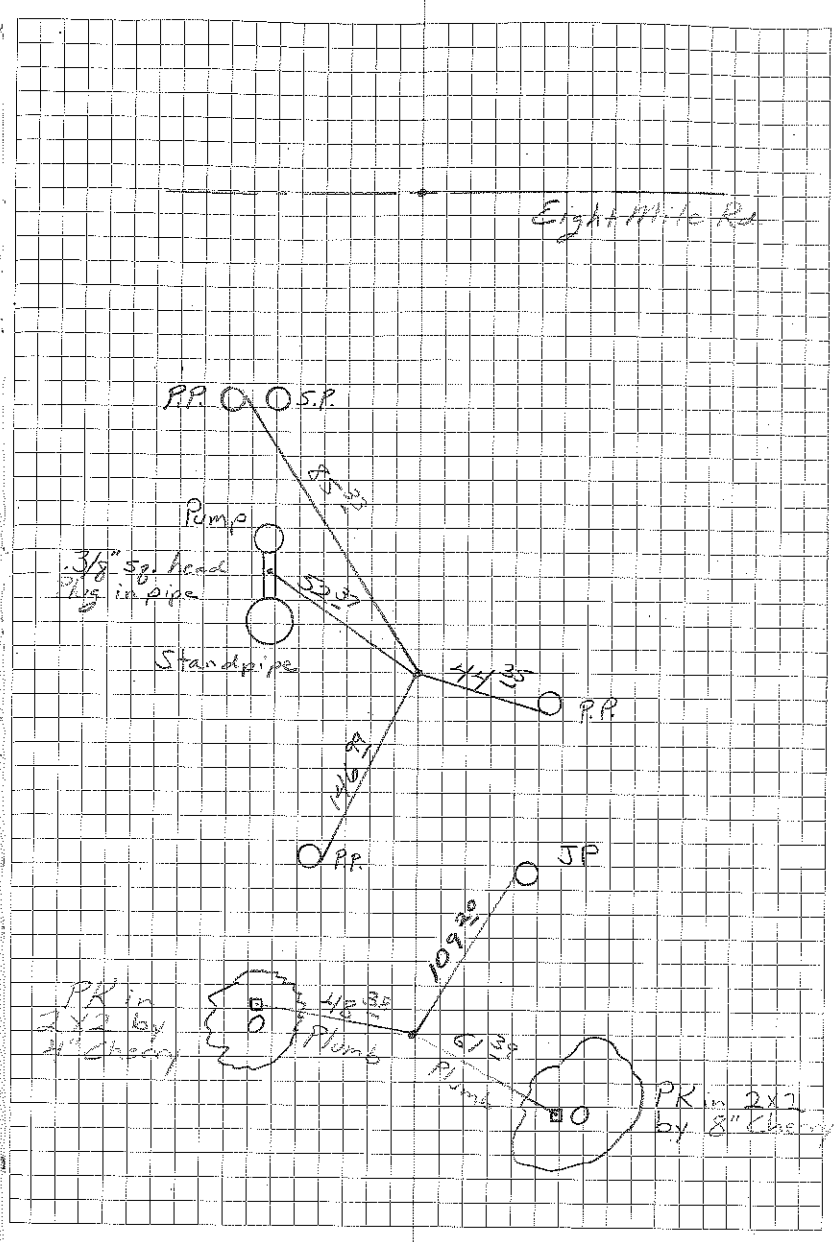
122+15.11 Δ Fd. bolt w/welded washer

Reset P.K./Shiner on surf.

111+31.11 Δ Fd. bolt w/welded washer

Reset P.K./Shiner on surf.





Mosswood Park Ties

Odell Ave.

23+87.34 — Pin in Mon. Box

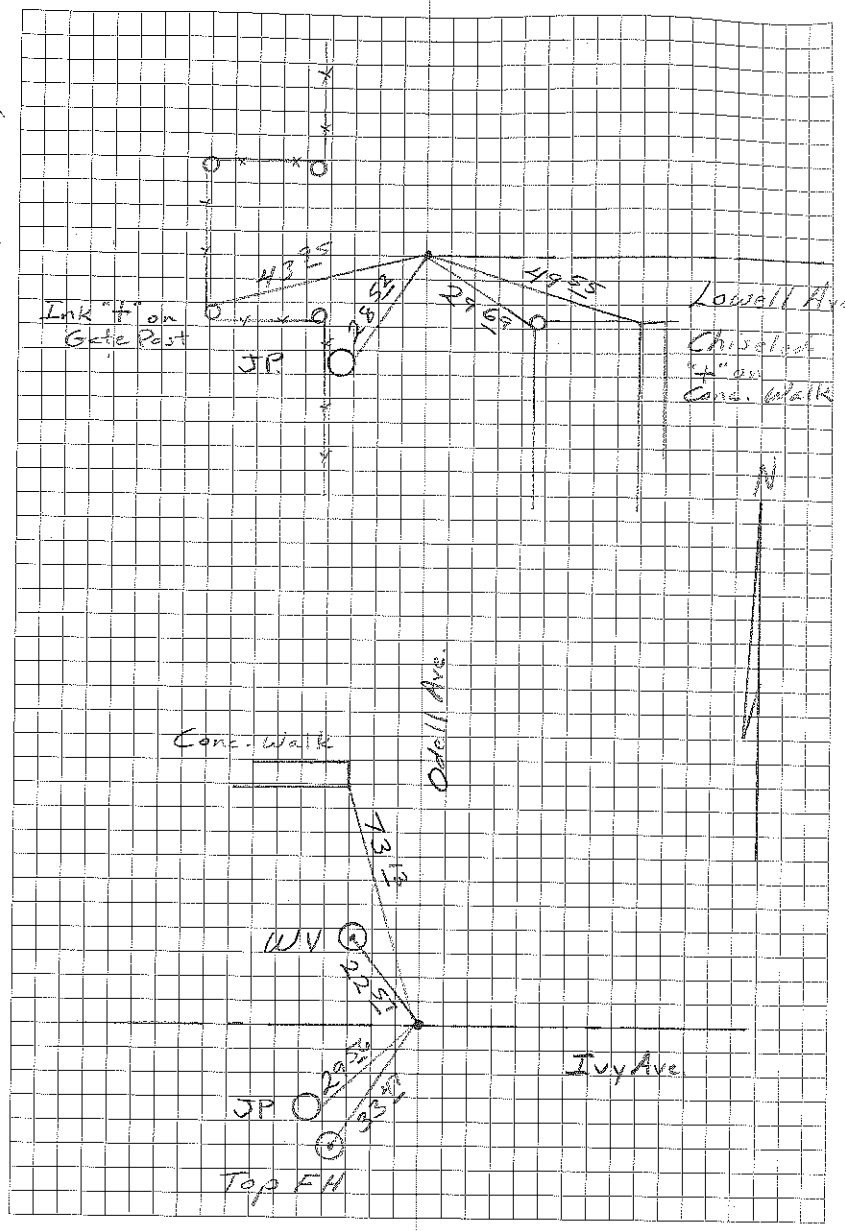
15+00 — Pin in Mon. Box

Lyder Trevino

FIELD BOOK 686

10-6-93

77

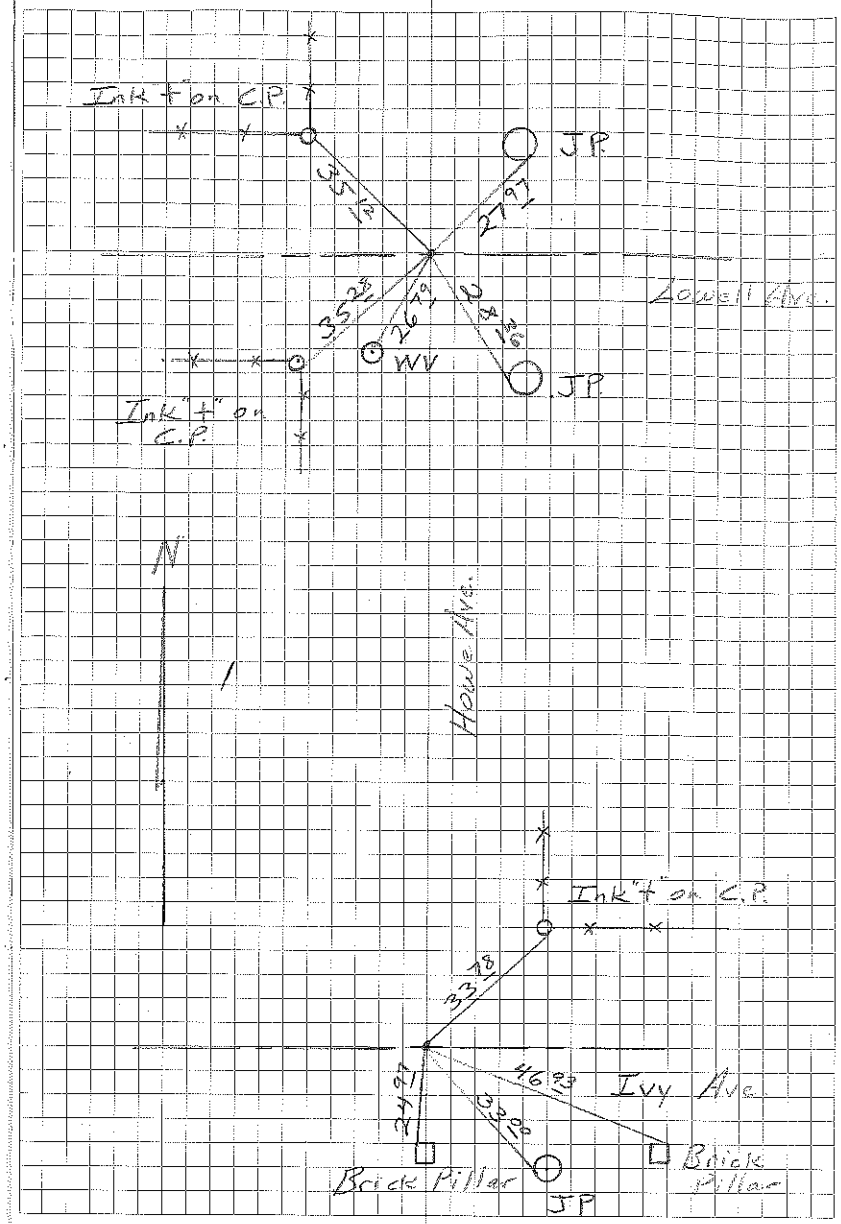


Mosswood Ties (Cont.)

Howe Ave.

23+87.27 Pin in Mon. Box

15+00 Pin in Mon. Box

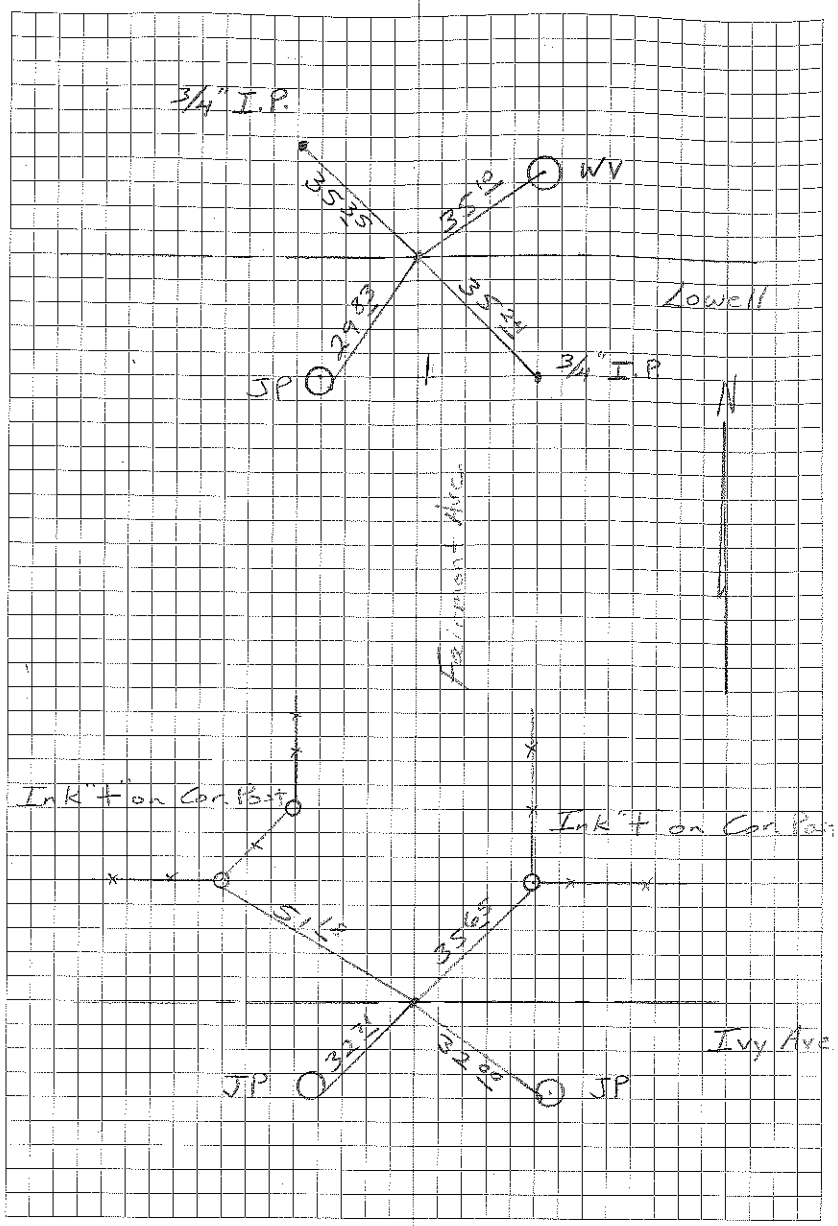


Mosswood Park Ties (Cont.)

Fairmont Ave

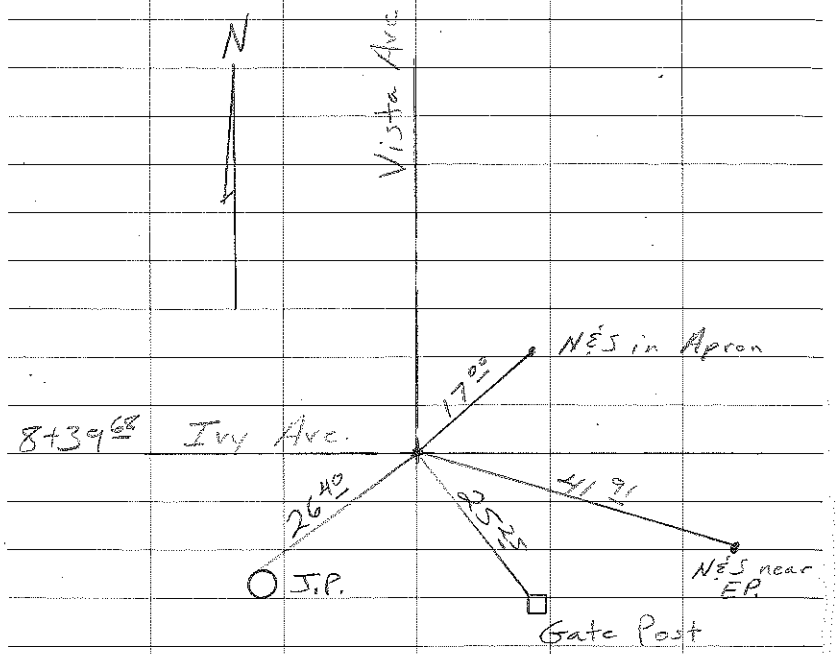
23+87.22 Pin in Mon. Box

15+00 Pin in Mon. Box



Mossiwood Park Ties (Cont.) (80)

Ivy Ave @ Vista Ave.




# CURVE TABLES

## HOW TO USE CURVE TABLES

Table I. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

### *EXAMPLE*

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20′ to the R. at Station 542+72.

Ext. in Tab. I opposite 23° 20′ = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

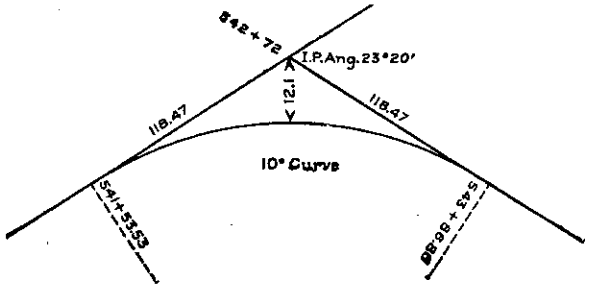
Tan. in Tab. I opp. 23° 20′ = 1183.1
1183.1 ÷ 10 = 118.31.

Correction for A. 23° 20′ for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

(If corrected Ext. is required find in same way)
Ang. 23° 20′ = 23.33° ÷ 10 = 2.3333 = L. C.

| | | | |
|---|---|---|---|
| 2° 19½′ = def. for sta. | 542 | I. P. = sta. | 542+72 |
| 4° 49½′ = " " " | +50 | Tan. = | 1 .18.47 |
| 7° 19½′ = " " " | 543 | B. C. = sta. | 541+53.53 |
| 9° 49½′ = " " " | +50 | L. C. = | 2 .33.33 |
| 11° 40′ = " " " | 543+ | E. C. = Sta. | 543+86.86 |
| | 86.86 | | |

100 − 53.53 = 46.47 × 3′ (def. for 1 ft. of 10° Cur.) = 139.41′ = 2° 19½′ = def. for sta. 542.

Def. for 50 ft. = 2° 30′ for a 10° Curve.

Def. for 36.86 ft. = 1° 50¾′ for a 10° Curve.